STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER
BONANZA 1023-6A1CS

2. TYPE OF WORK
DRILL NEW WELL ● REENTER P&A WELL ○ DEEPEN WELL ○

3. FIELD OR WILDCAT
NATURAL BUTTES

4. TYPE OF WELL
Gas Well Coalbed Methane Well: NO

5. UNIT or COMMUNITIZATION AGREEMENT NAME

6. NAME OF OPERATOR
KERR-MCGEE OIL & GAS ONSHORE, L.P.

7. OPERATOR PHONE
720 929-6515

8. ADDRESS OF OPERATOR
P.O. Box 173779, Denver, CO, 80217

9. OPERATOR E-MAIL
julie.jacobson@anadarko.com

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
UTU33433

11. MINERAL OWNERSHIP
FEDERAL ● INDIAN ○ STATE ○ FEE ○

12. SURFACE OWNERSHIP
FEDERAL ● INDIAN ○ STATE ○ FEE ○

13. NAME OF SURFACE OWNER (if box 12 = 'fee')

14. SURFACE OWNER PHONE (if box 12 = 'fee')

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')

16. SURFACE OWNER E-MAIL (if box 12 = 'fee')

17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')

18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS
YES ● (Submit Commingling Application) NO ○

19. SLANT
VERTICAL ○ DIRECTIONAL ● HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	534 FNL 481 FWL	NWNW	5	10.0 S	23.0 E	S
Top of Uppermost Producing Zone	361 FNL 506 FEL	NENE	6	10.0 S	23.0 E	S
At Total Depth	361 FNL 506 FEL	NENE	6	10.0 S	23.0 E	S

21. COUNTY
UINTAH

22. DISTANCE TO NEAREST LEASE LINE (Feet)
621

23. NUMBER OF ACRES IN DRILLING UNIT
1923

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
621

26. PROPOSED DEPTH
MD: 8761 TVD: 8605

27. ELEVATION - GROUND LEVEL
5242

28. BOND NUMBER
WYB000291

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
43-8496

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	11	8.625	0 - 2380	28.0	J-55 LT&C	0.2	Type V	180	1.15	15.8
							Class G	270	1.15	15.8
Prod	7.875	4.5	0 - 8761	11.6	I-80 LT&C	12.5	Premium Lite High Strength	290	3.38	11.0
							50/50 Poz	1170	1.31	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ COMPLETE DRILLING PLAN
- ☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)
- ☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
- ☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)
- ☑ TOPOGRAPHICAL MAP

NAME Gina Becker | **TITLE** Regulatory Analyst II | **PHONE** 720 929-6086

SIGNATURE | **DATE** 10/14/2011 | **EMAIL** gina.becker@anadarko.com

API NUMBER ASSIGNED
43047520960000

APPROVAL

Permit Manager

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Kerr-McGee Oil & Gas Onshore. L.P.

BONANZA 1023-6A1CS

Surface: 534 FNL / 481 FWL NWNW
BHL: 361 FNL / 506 FEL NENE

Section 5 T10S R23E

Uintah County, Utah
Mineral Lease: UTU-33433

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. & 2. **Estimated Tops of Important Geologic Markers:**
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Formation	Depth	Resource
Uinta	0 - Surface	
Green River	1296	
Birds Nest	1574	Water
Mahogany	1934	Water
Wasatch	4324	Gas
Mesaverde	6438	Gas
MVU2	7424	Gas
MVL1	7979	Gas
TVD	8605	
TD	8761	

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program

6. **Evaluation Program:**

Please refer to the attached Drilling Program

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7. **Abnormal Conditions:**

Maximum anticipated bottom hole pressure calculated at 8605' TVD, approximately equals 5,507 psi 0.64 psi/ft = actual bottomhole gradient

Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

Maximum anticipated surface pressure equals approximately 3,602 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot, per Onshore Order No. 2).

Per Onshore Order No. 2 - Max Anticipated Surf. Press.(MASP) = (Pore Pressure at next csg point-
(0.22 psi/ft-partial evac gradient x TVD of next csg point))

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please refer to the attached Drilling Program.
Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- Blowout Prevention Equipment (BOPE) requirements;
- Mud program requirements; and
- Special drilling operation (surface equipment placement) requirements associated with air drilling.

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

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Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12 1/4 inch hole for the first 200 feet, then will drill a 11inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 11 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 8-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements
The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements
Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements
Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and

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on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Variance for FIT Requirements
KMG also respectfully requests a variance to Onshore Order 2, Section III, Part Bi, for the pressure integrity test (PIT, also known as a formation integrity test (FIT)). This well is not an exploratory well and is being drilled in an area where the formation integrity is well known. Additionally, when an FIT is run with the mud weight as required, the casing shoe frequently breaks down and causes subsequent lost circulation when drilling the entire depth of the well.

Conclusion
The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

10. Other Information:

Please refer to the attached Drilling Program.

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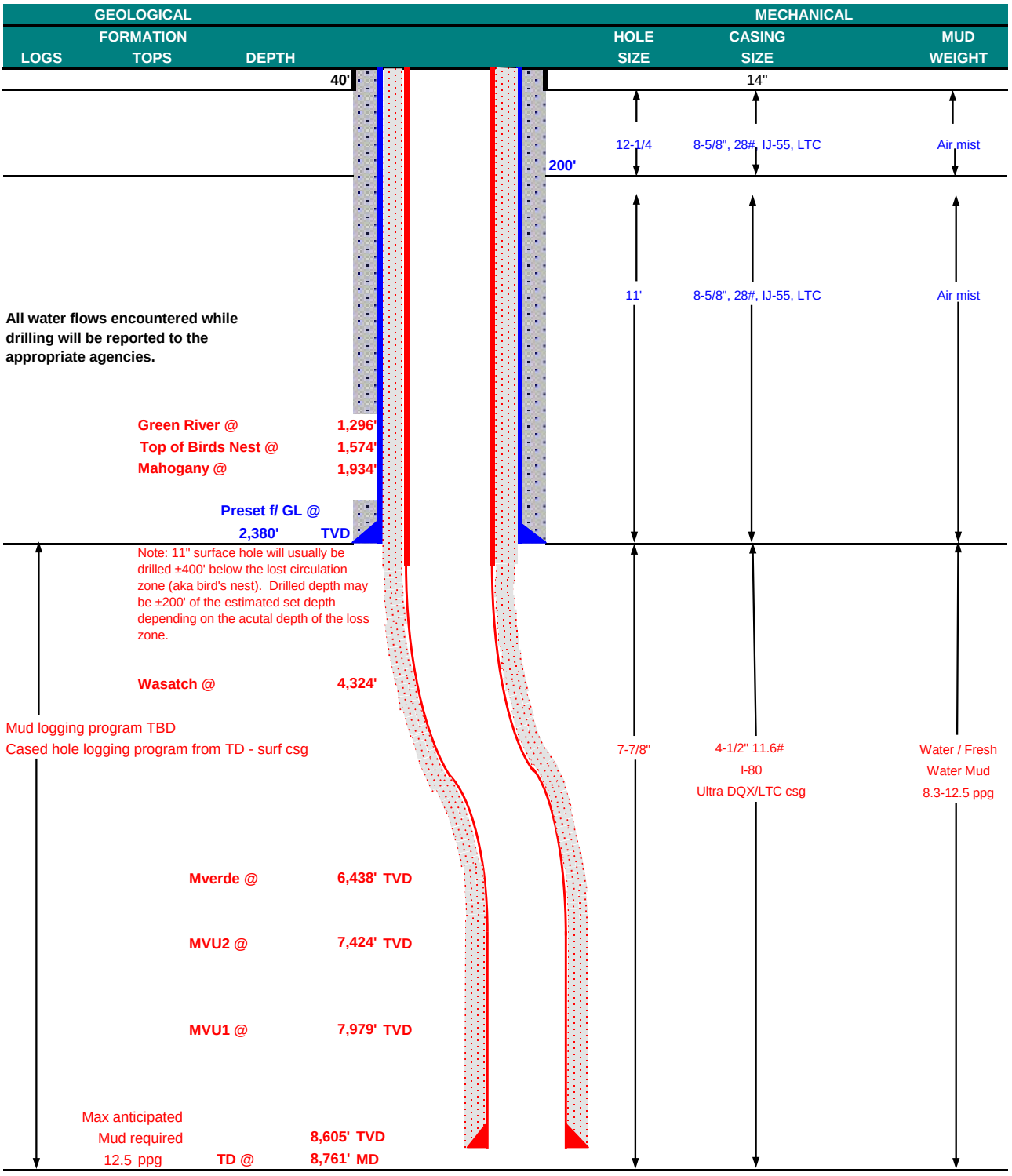
KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP			DATE	October 13, 2011
WELL NAME	**BONANZA 1023-6A1CS**			TD	8,605' TVD 8,761' MD
FIELD	Natural Buttes	COUNTY	Uintah	STATE	Utah
FINISHED ELEVATION	5241.9				
SURFACE LOCATION	NWNW	534 FNL	481 FWL	Sec 5	T 10S R 23E
	Latitude:	39.983777	Longitude:	-109.358410	NAD 83
BTM HOLE LOCATION	NENE	361 FNL	506 FEL	Sec 6	T 10S R 23E
	Latitude:	39.984251	Longitude:	-109.361933	NAD 83
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), UDOGM Tri-County Health Dept.				



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	LTC	DQX TENSION
CONDUCTOR	14"	0-40'									
								3,390	1,880	348,000	N/A
SURFACE	8-5/8"	0	to	2,380	28.00	IJ-55	LTC	2.27	1.69	5.96	N/A
								7,780	6,350	223,000	267,035
PRODUCTION	4-1/2"	0	to	5,000	11.60	I-80	DQX	1.11	1.14		3.25
	4-1/2"	5,000	to	8,761'	11.60	I-80	LTC	1.11	1.14	6.32	

Surface Casing:

(Burst Assumptions: TD = 12.5 ppg) 0.73 psi/ft = frac gradient @ surface shoe

Fracture at surface shoe with 0.1 psi/ft gas gradient above

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

Production casing:

(Burst Assumptions: Pressure test with 8.4ppg @ 7000 psi) 0.64 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT		YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl	180	60%	15.80		1.15
Option 1			+ 0.25 pps flocele					
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	270	0%	15.80		1.15
			+ 2% CaCl + 0.25 pps flocele					
SURFACE		**NOTE: If well will circulate water to surface, option 2 will be utilized**						
Option 2	LEAD	1,880'	65/35 Poz + 6% Gel + 10 pps gilsonite	170	35%	11.00		3.82
			+ 0.25 pps Flocele + 3% salt BWOW					
	TAIL	500'	Premium cmt + 2% CaCl	150	35%	15.80		1.15
			+ 0.25 pps flocele					
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80		1.15
PRODUCTION	LEAD	3,821'	Premium Lite II +0.25 pps	290	20%	11.00		3.38
			celloflake + 5 pps gilsonite + 10% gel					
			+ 0.5% extender					
	TAIL	4,940'	50/50 Poz/G + 10% salt + 2% gel	1,170	35%	14.30		1.31
			+ 0.1% R-3					

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. No centralizers will be used.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

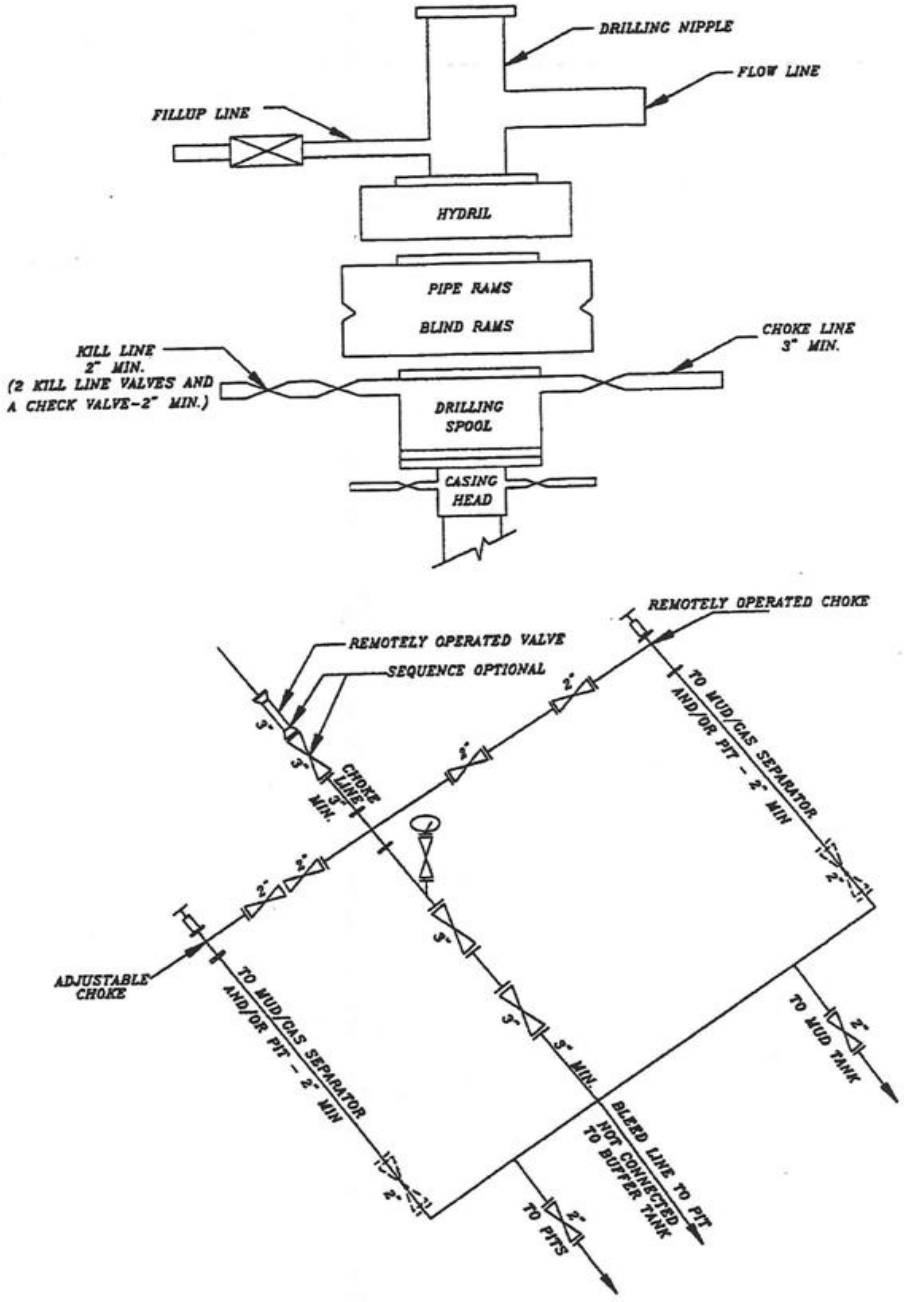
Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: Nick Spence / Danny Showers / Chad Loesel **DATE:**

DRILLING SUPERINTENDENT: Kenny Gathings / Lovel Young **DATE:**

EXHIBIT A
BONANZA 1023-6A1CS



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

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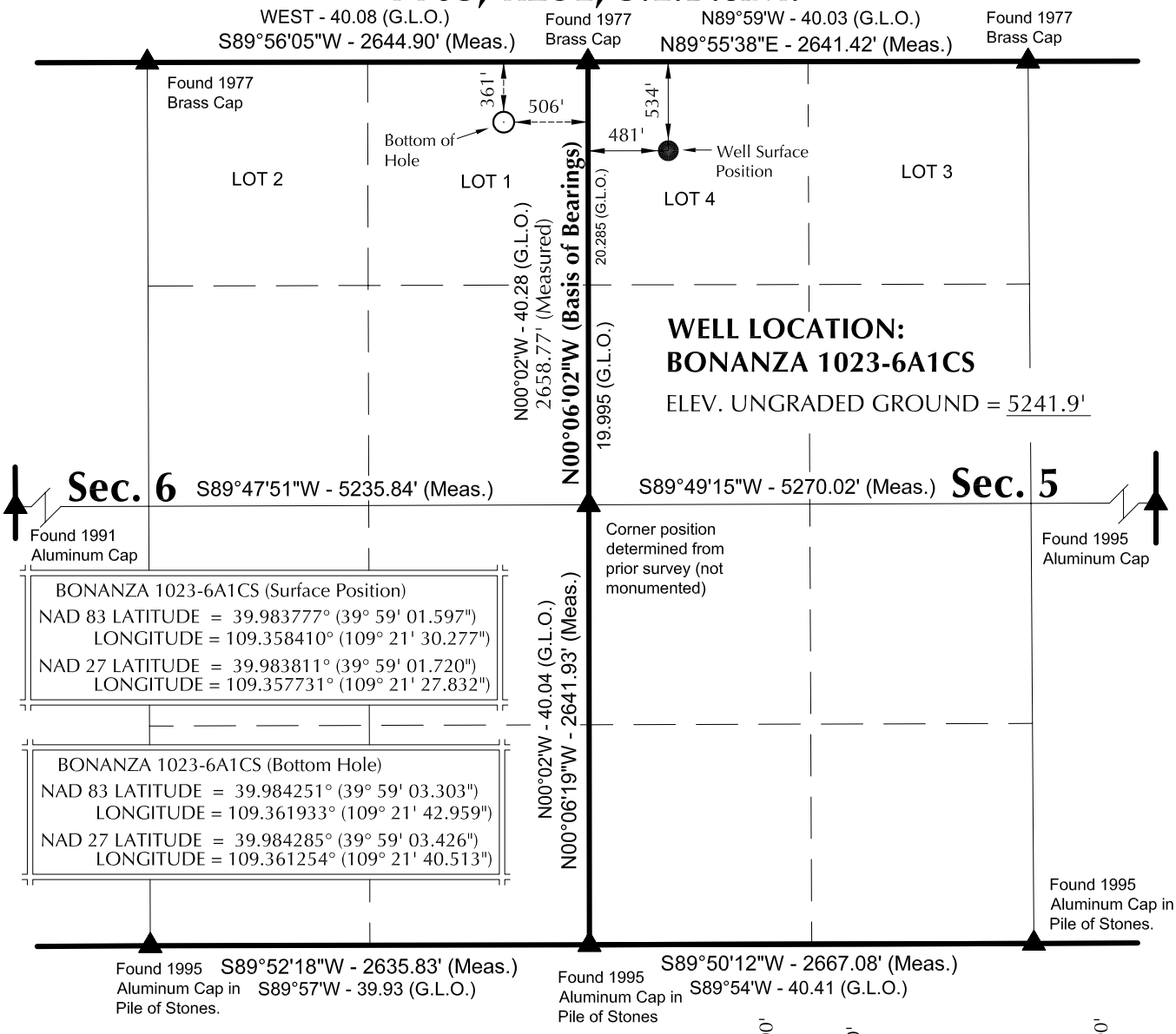
API Well Number: 43047520960000

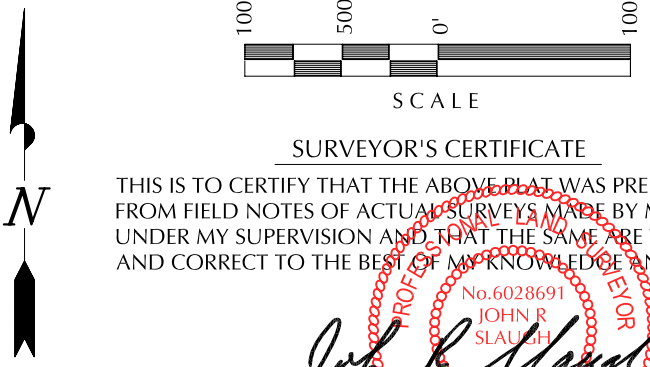
T10S, R23E, S.L.B.&M.



NOTES:

▲ = Section Corners Located

1. Well footages are measured at right angles to the Section Lines.
2. G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
3. The Bottom of hole bears N80°08'54"W 1002.44' from the Surface Position.
4. Bearings are based on Global Positioning Satellite observations.
5. Basis of elevation is Tri-Sta "Two Water" located in the NW ¼ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PROFESSIONAL LAND SURVEYOR No.6028691 JOHN R SLAUGH STATE OF UTAH

PROFESSIONAL LAND SURVEYOR
REGISTRATION No. 6028691
STATE OF UTAH

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-5D

BONANZA 1023-6A1CS
WELL PLAT
361' FNL, 506' FEL (Bottom Hole)
LOT 1 OF SECTION 6, T10S, R23E,
S.L.B.&M., UINTAH COUNTY, UTAH.

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 03-08-10	SURVEYED BY: M.S.B.	SHEET NO: 1
DATE DRAWN: 03-09-10	DRAWN BY: E.M.S.	1 OF 19
SCALE: 1" = 1000'	Date Last Revised: 05-28-10 E.M.S.	

RECEIVED: October 14, 2011

API Well Number: 43047520960000

WELL NAME	SURFACE POSITION					BOTTOM HOLE				
	NAD83		NAD27			NAD83		NAD27		
	LATITUDE	LONGITUDE	LATITUDE	LONGITUDE	FOOTAGES	LATITUDE	LONGITUDE	LATITUDE	LONGITUDE	FOOTAGES
BONANZA 1023-6A1CS	39°59'01.597" 39.983777°	109°21'30.277" 109.358410°	39°59'01.720" 39.983811°	109°21'27.832" 109.357731°	534' FNL 481' FWL	39°59'03.303" 39.984251°	109°21'42.959" 109.361933°	39°59'03.426" 39.984285°	109°21'40.513" 109.361254°	361' FNL 506' FEL
BONANZA 1023-5E2AS	39°59'01.646" 39.983791°	109°21'30.166" 109.358379°	39°59'01.770" 39.983825°	109°21'27.720" 109.357700°	529' FNL 490' FWL	39°58'52.436" 39.981232°	109°21'31.521" 109.358756°	39°58'52.559" 39.981266°	109°21'29.075" 109.358076°	1461' FNL 384' FWL
BONANZA 1023-5D3AS	39°59'01.695" 39.983804°	109°21'30.053" 109.358348°	39°59'01.818" 39.983838°	109°21'27.607" 109.357669°	524' FNL 499' FWL	39°58'58.571" 39.982936°	109°21'28.867" 109.358019°	39°58'58.694" 39.982971°	109°21'26.421" 109.357339°	840' FNL 591' FWL
BONANZA 1023-5C2CS	39°59'01.743" 39.983818°	109°21'29.942" 109.358317°	39°59'01.867" 39.983852°	109°21'27.497" 109.357638°	519' FNL 507' FWL	39°59'02.079" 39.983911°	109°21'17.452" 109.354848°	39°59'02.202" 39.983945°	109°21'15.007" 109.354168°	485' FNL 1480' FWL
BONANZA 1023-5D2DS	39°59'01.792" 39.983831°	109°21'29.830" 109.358286°	39°59'01.915" 39.983865°	109°21'27.385" 109.357607°	514' FNL 516' FWL	39°59'02.079" 39.983911°	109°21'28.715" 109.357976°	39°59'02.202" 39.983945°	109°21'26.270" 109.357297°	485' FNL 603' FWL

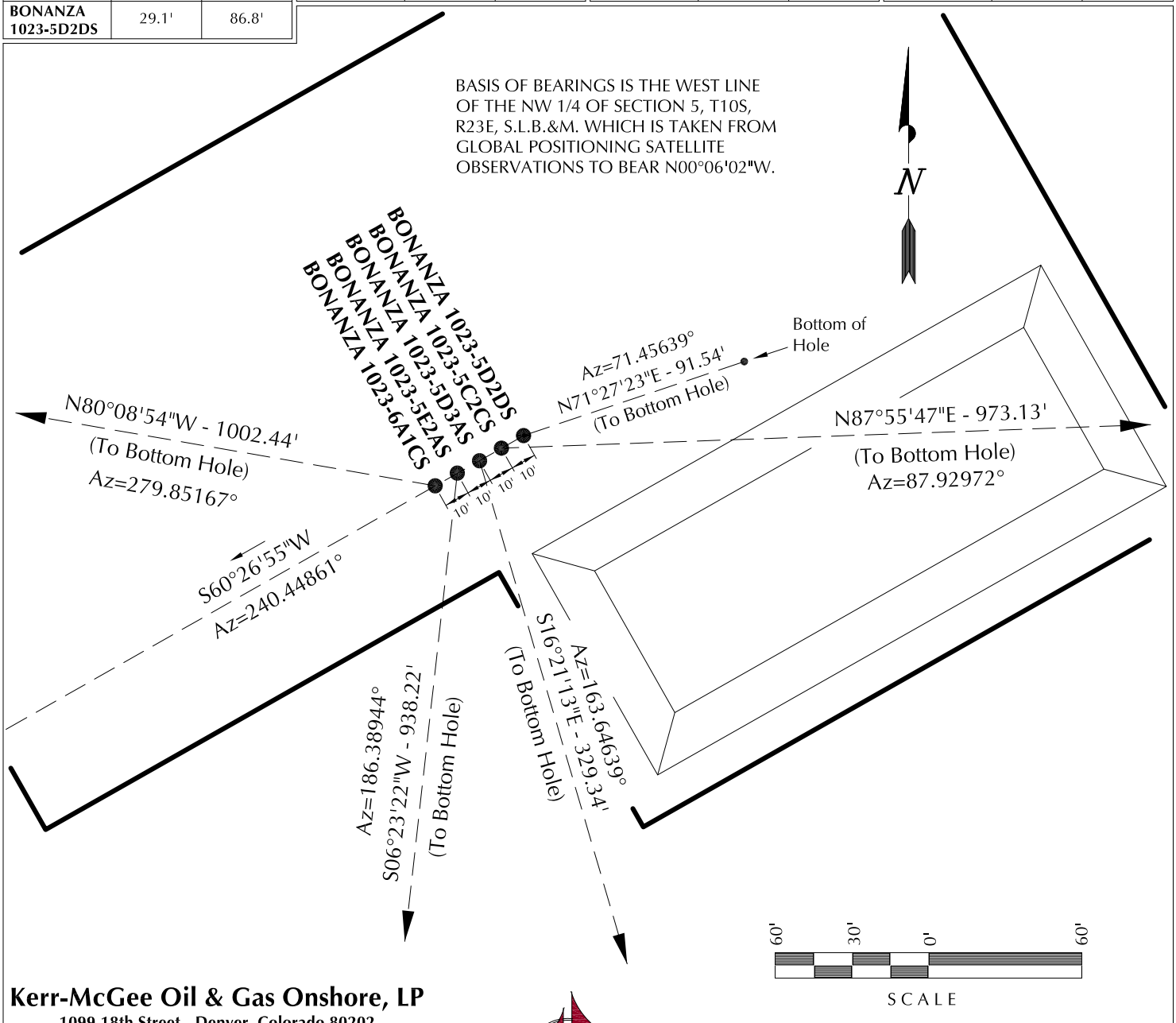
RELATIVE COORDINATES - From Surface Position to Bottom Hole

WELL NAME	NORTH	EAST
BONANZA 1023-6A1CS	171.5'	-987.7'
BONANZA 1023-5D2DS	29.1'	86.8'

WELL NAME	NORTH	EAST
BONANZA 1023-5E2AS	-932.4'	-104.4'

WELL NAME	NORTH	EAST
BONANZA 1023-5D3AS	-316.0'	92.7'

WELL NAME	NORTH	EAST
BONANZA 1023-5C2CS	35.2'	972.5'



Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-5D

WELL PAD INTERFERENCE PLAT
WELLS - BONANZA 1023-6A1CS, BONANZA 1023-5E2AS, BONANZA 1023-5D3AS, BONANZA 1023-5C2CS & BONANZA 1023-5D2DS
LOCATED IN SECTION 5, T10S, R23E, S.L.B.&M., UINTAH COUNTY, UTAH.

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

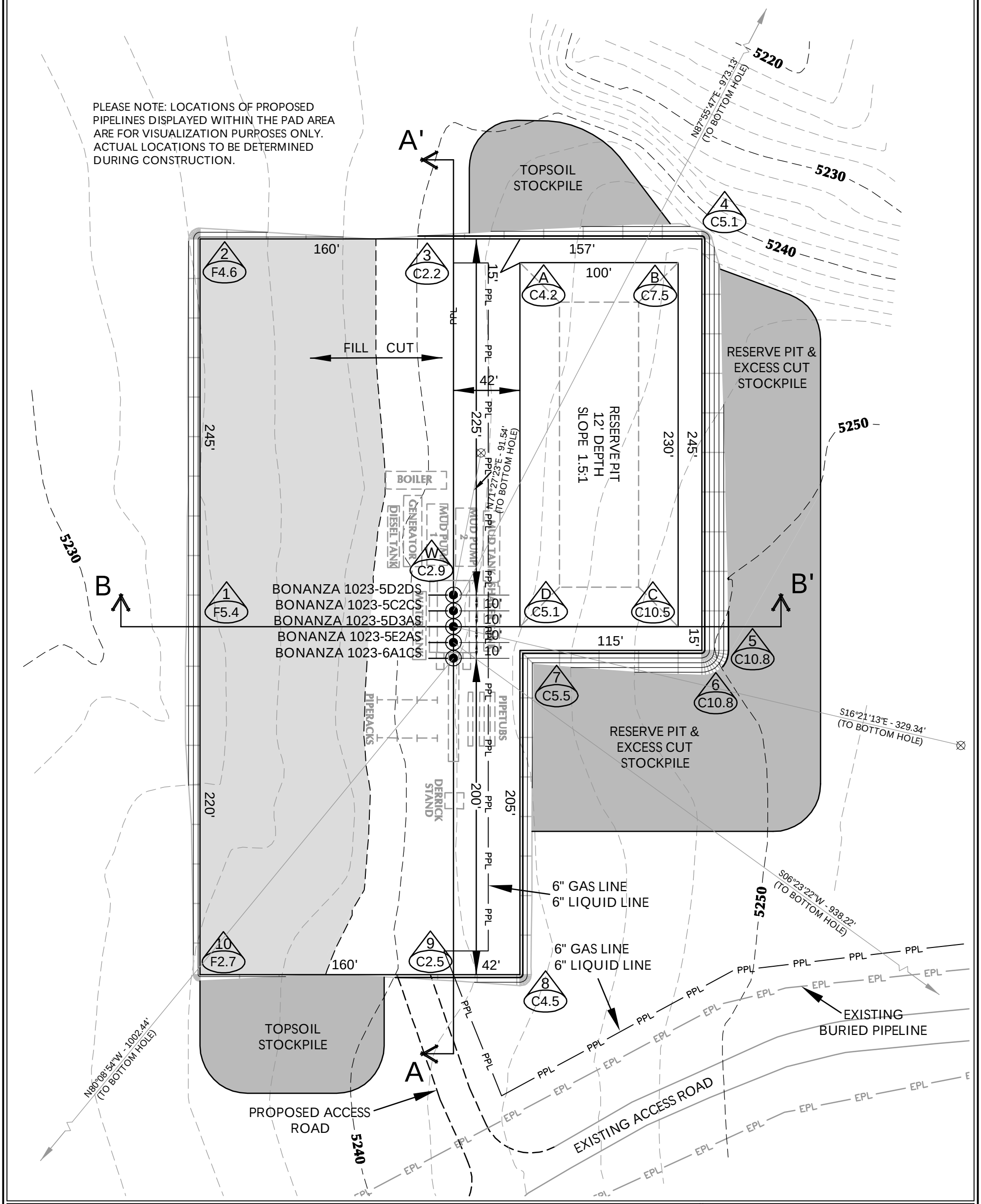
TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 03-08-10	SURVEYED BY: M.S.B.	SHEET NO: 6
DATE DRAWN: 03-09-10	DRAWN BY: E.M.S.	6 OF 17
SCALE: 1" = 60'	Date Last Revised: 05-28-10 E.M.S.	

RECEIVED: October 14, 2011

API Well Number: 43047520960000

PLEASE NOTE: LOCATIONS OF PROPOSED PIPELINES DISPLAYED WITHIN THE PAD AREA ARE FOR VISUALIZATION PURPOSES ONLY. ACTUAL LOCATIONS TO BE DETERMINED DURING CONSTRUCTION.



WELL PAD - BONANZA 1023-5D DESIGN SUMMARY

EXISTING GRADE @ CENTER OF WELL PAD = 5241.7'
FINISHED GRADE ELEVATION = 5238.8'
CUT SLOPES = 1.5:1
FILL SLOPES = 1.5:1
TOTAL WELL PAD AREA = 3.13 ACRES
TOTAL DAMAGE AREA = 5.89 ACRES
SHRINKAGE FACTOR = 1.10
SWELL FACTOR = 1.00

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD QUANTITIES

TOTAL CUT FOR WELL PAD = 11,042 C.Y.
TOTAL FILL FOR WELL PAD = 6,225 C.Y.
TOPSOIL @ 6" DEPTH = 2,526 C.Y.
EXCESS MATERIAL = 4,817 C.Y.

RESERVE PIT QUANTITIES

TOTAL CUT FOR RESERVE PIT
+/- 7,780 CY
RESERVE PIT CAPACITY (2' OF FREEBOARD)
+/- 29,550 BARRELS

WELL PAD - BONANZA 1023-5D

WELL PAD - LOCATION LAYOUT
BONANZA 1023-6A1CS,
BONANZA 1023-5E2AS, BONANZA 1023-5D3AS,
BONANZA 1023-5C2CS & BONANZA 1023-5D2DS,
LOCATED IN SECTION 5, T10S, R23E,
S.L.B.&M., UINTAH COUNTY, UTAH

WELL PAD LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- PROPOSED BOTTOM HOLE LOCATION
- EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)
- PPL — PROPOSED PIPELINE
- EPL — EXISTING PIPELINE

HORIZONTAL 0 30 60 1" = 60'
2' CONTOURS

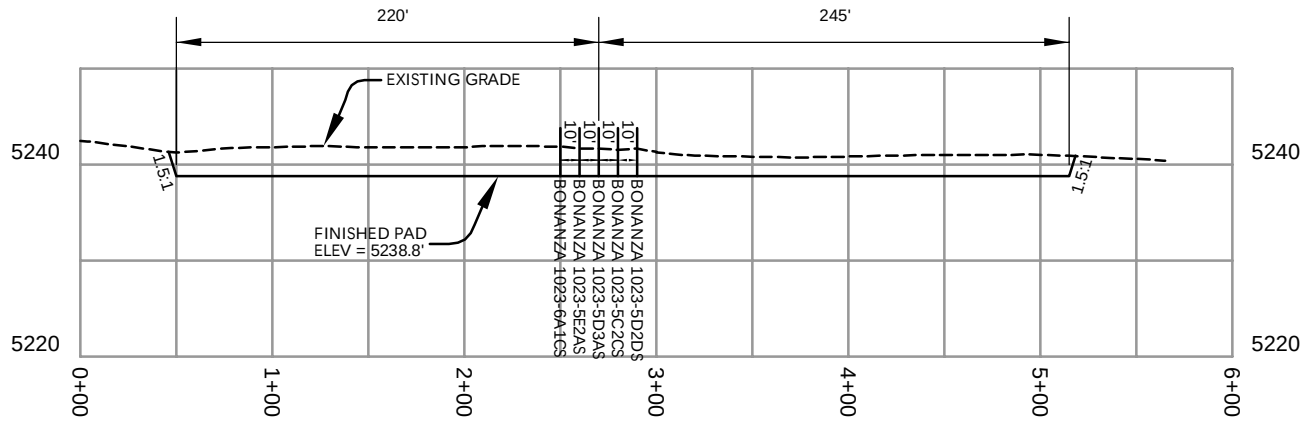
609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

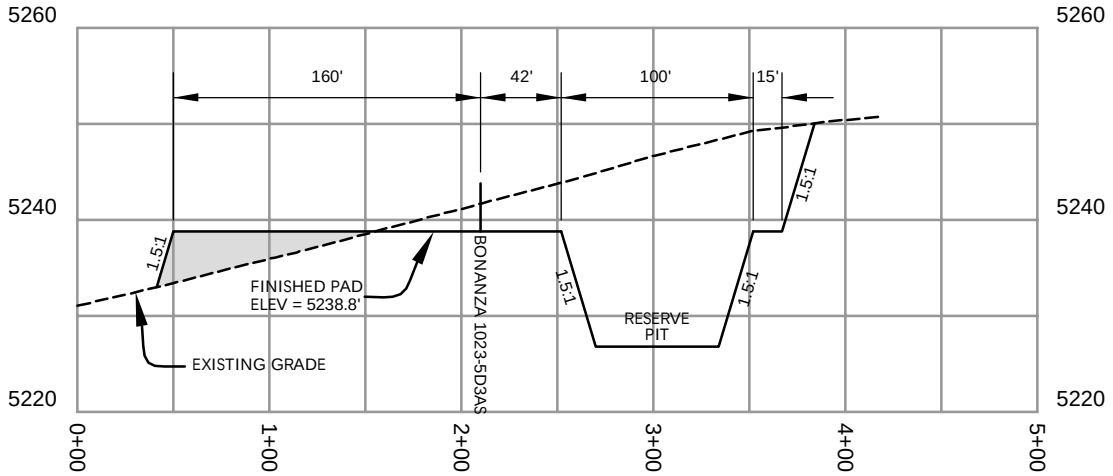
Scale:	1"=60'	Date:	3/30/10	SHEET NO:
REVISED:		SEA	6/25/10	7 OF 17

K:\ANADARKO\2010_11_BON_FOCUS_SEC_5-1023\DWGS\BONANZA 1023-5D\1023-5D 20100602.dwg, 7/29/2010 11:45:05 PM

API Well Number: 43047520960000



CROSS SECTION A-A'



CROSS SECTION B-B'

NOTE: CROSS SECTION B-B' DEPICTS MAXIMUM RESERVE PIT DEPTH.

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-5D

WELL PAD - CROSS SECTIONS
BONANZA 1023-6A1CS,
BONANZA 1023-5E2AS, BONANZA 1023-5D3AS,
BONANZA 1023-5C2CS & BONANZA 1023-5D2DS,
LOCATED IN SECTION 5, T10S, R23E,
S.L.B.&M., UINTAH COUNTY, UTAH

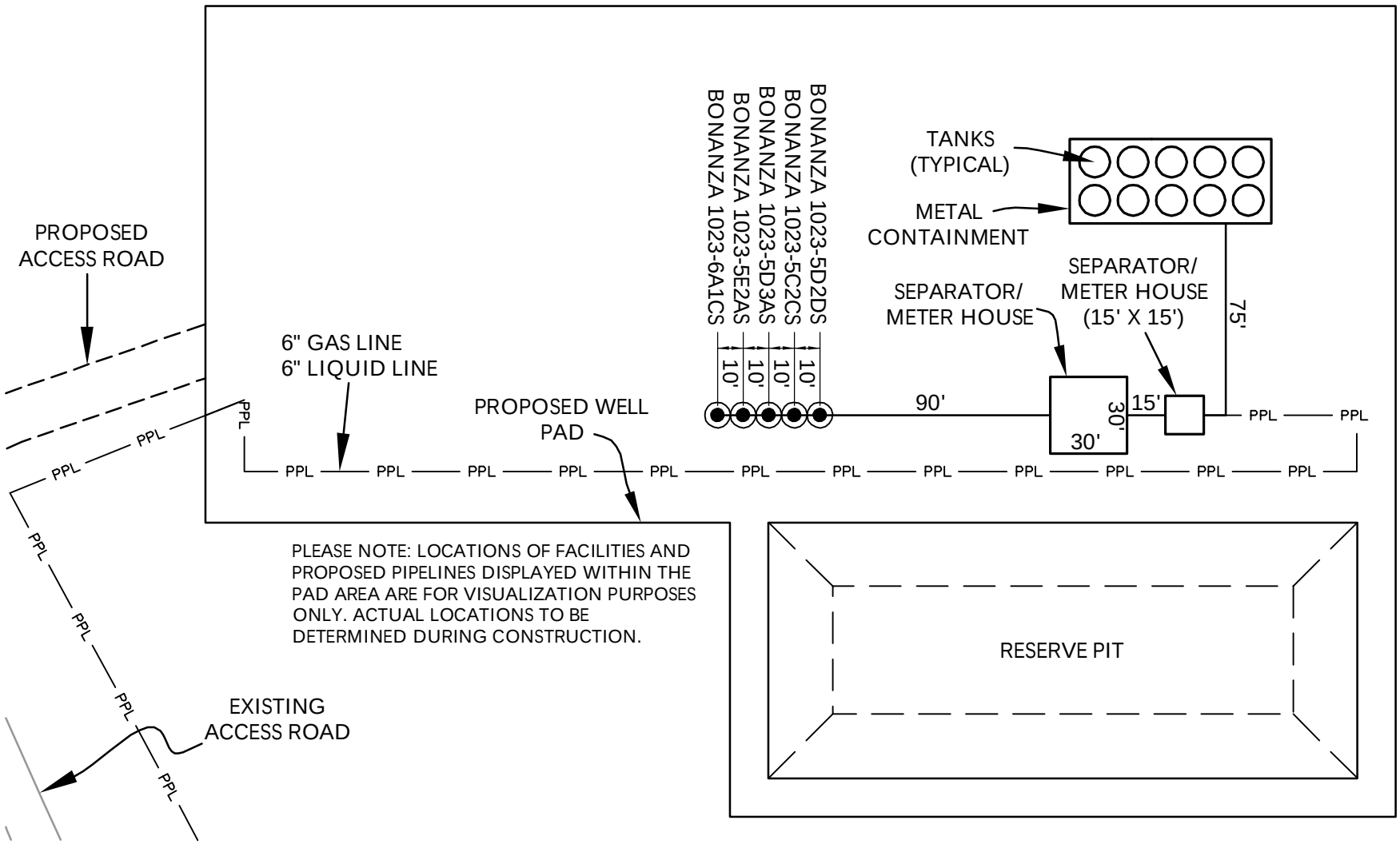
609
CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

HORIZONTAL 0 50 100 1" = 100'
VERTICAL 0 10 20 1" = 20'

Scale: 1"=100'	Date: 3/30/10	SHEET NO:
REVISED:	SEA 6/25/10	8 8 OF 17

K:\ANADARKO\2010_11_BON_FOCUS_SEC_5-1023\DWGS\BONANZA_1023-5D\1023-5D_20100602.dwg, 7/28/2010 9:58:02 AM



Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-5D

WELL PAD - FACILITIES DIAGRAM
BONANZA 1023-6A1CS,
BONANZA 1023-5E2AS, BONANZA 1023-5D3AS,
BONANZA 1023-5C2CS & BONANZA 1023-5D2DS,
LOCATED IN SECTION 5, T10S, R23E,
S.L.B.&M., UINTAH COUNTY, UTAH

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182

WELL PAD LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- PPL — PROPOSED PIPELINE
- EPL — EXISTING PIPELINE

HORIZONTAL 0 30' 60' 1" = 60'

TIMBERLINE ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078
(435) 789-1365

Scale: 1"=60' | Date: 3/30/10 | SHEET NO: 9 9 OF 17
REVISED: SEA 6/25/10

K:\ANADARKO\2010_11_BON_FOCUS_SEC_5-1023\DWGS\BONANZA 1023-5D\1023-5D 20100602.dwg, 7/29/2010 11:44:30 PM

RECEIVED: October 14, 2011

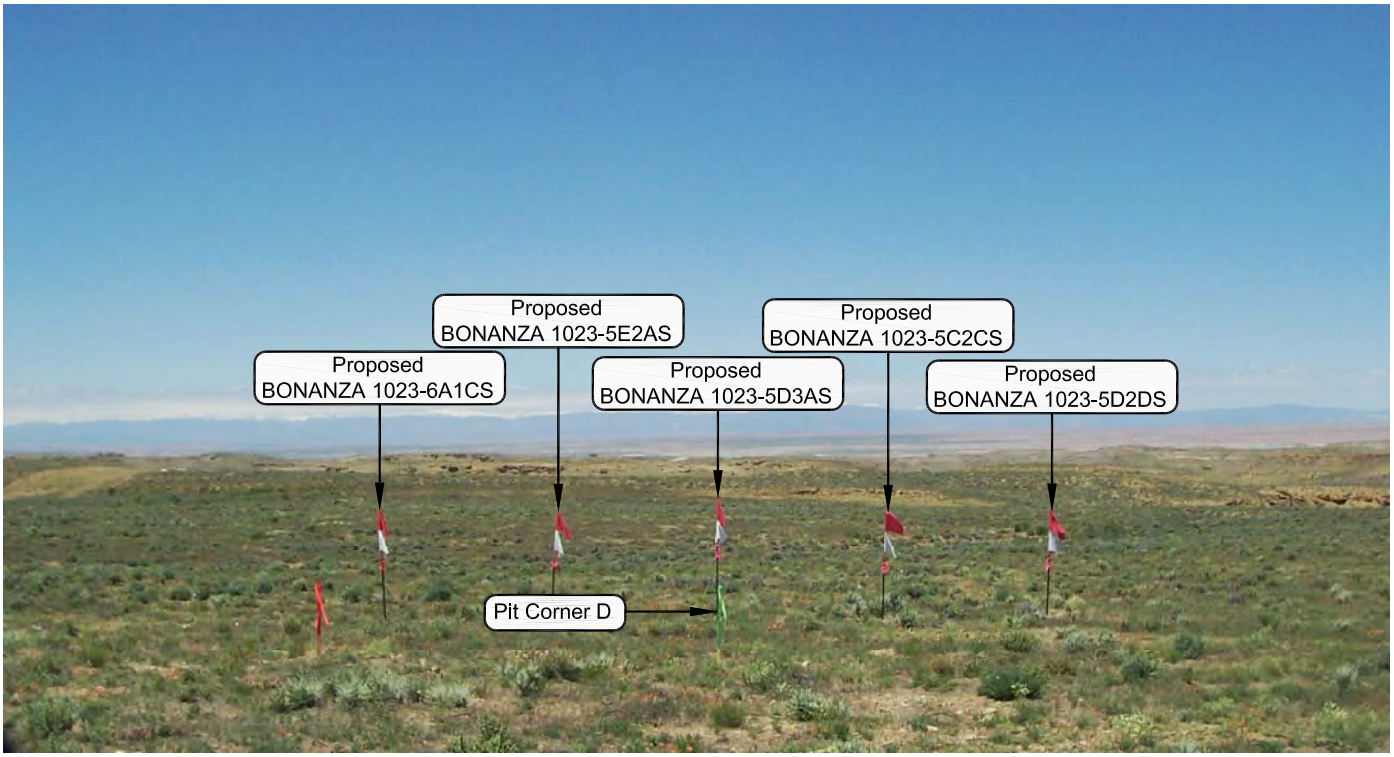


PHOTO VIEW: FROM PIT CORNER D TO LOCATION STAKES CAMERA ANGLE: NORTHWESTERLY

PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD CAMERA ANGLE: NORTHEASTERLY

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-5D

LOCATION PHOTOS
BONANZA 1023-6A1CS, BONANZA 1023-5E2AS, BONANZA 1023-5D3AS, BONANZA 1023-5C2CS & BONANZA 1023-5D2DS
LOCATED IN SECTION 5, T10S, R23E, S.L.B.&M., UINTAH COUNTY, UTAH.

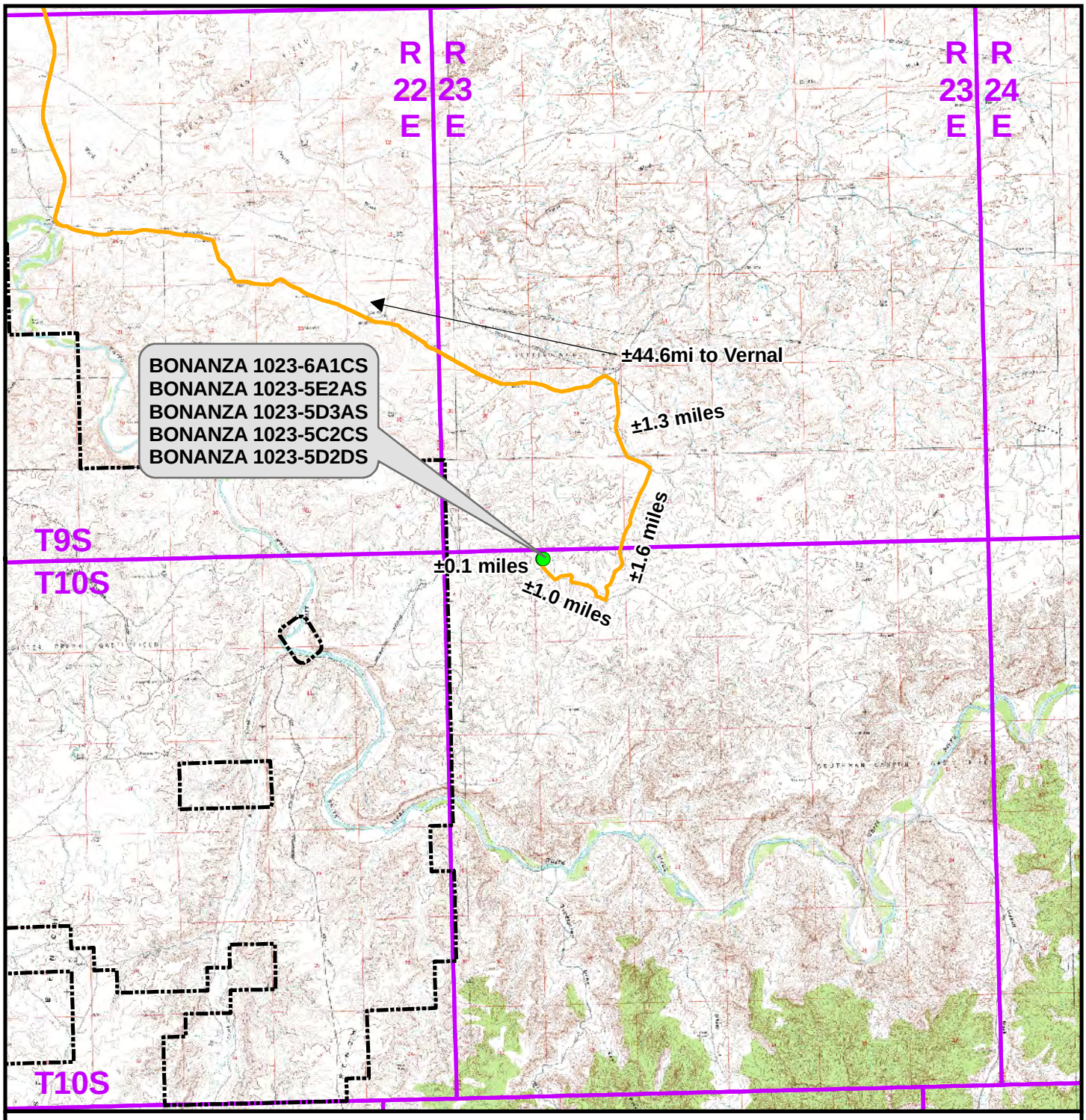
609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE PHOTOS TAKEN: 03-08-10	PHOTOS TAKEN BY: M.S.B.	SHEET NO: 10
DATE DRAWN: 03-09-10	DRAWN BY: E.M.S.	10 OF 17
Date Last Revised: 05-28-10 E.M.S.		

RECEIVED: October 14, 2011

API Well Number: 43047520960000



Legend

Distance From Well Pad - BONANZA 1023-5D To Unit Boundary: ±5,400ft

Proposed Well Location

Natural Buttes Unit Boundary

Access Route - Proposed

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-5D

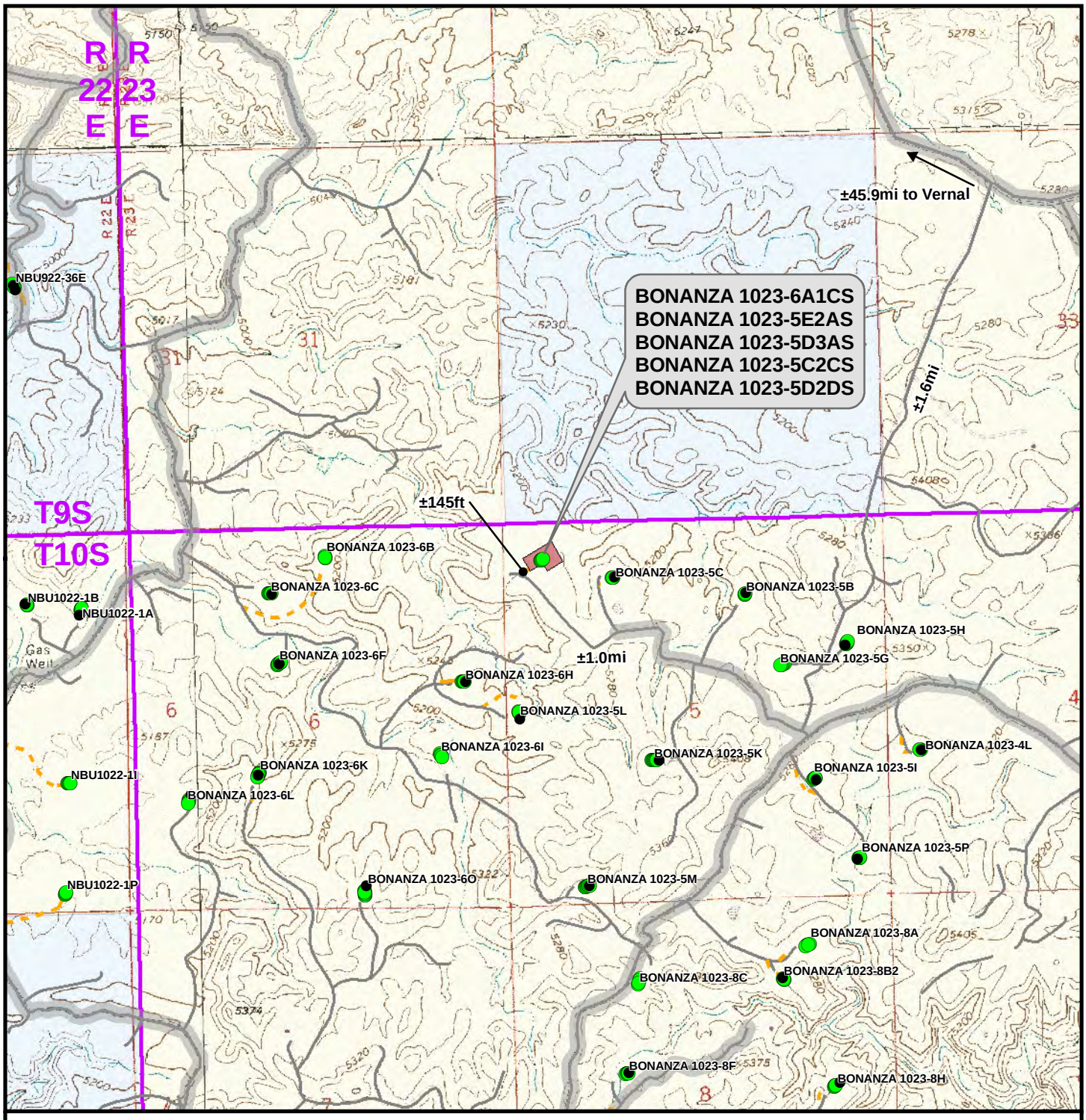
TOPO A
BONANZA 1023-6A1CS, BONANZA 1023-5E2AS, BONANZA 1023-5D3AS, BONANZA 1023-5C2CS & BONANZA 1023-5D2DS
LOCATED IN SECTION 5, T10S, R23E
S.L.B.&M., UINTAH COUNTY, UTAH

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182

N

Scale: 1:100,000	NAD83 USP Central	Sheet No: 11 of 17	
Drawn: CPS	Date: 29 Mar 2010		
Revised: TL	Date: 25 June 2010		

RECEIVED: October 14, 2011



Legend

Total Proposed Road Length: ±145ft

- Well - Proposed
- Well - Existing
- Well Pad
- Road - Proposed
- Road - Existing
- County Road
- Bureau of Land Management
- Indian Reservation
- State
- Private

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-5D

TOPO B
BONANZA 1023-6A1CS, BONANZA 1023-5E2AS, BONANZA 1023-5D3AS, BONANZA 1023-5C2CS & BONANZA 1023-5D2DS
LOCATED IN SECTION 5, T10S, R23E
S.L.B.&M., UINTAH COUNTY, UTAH

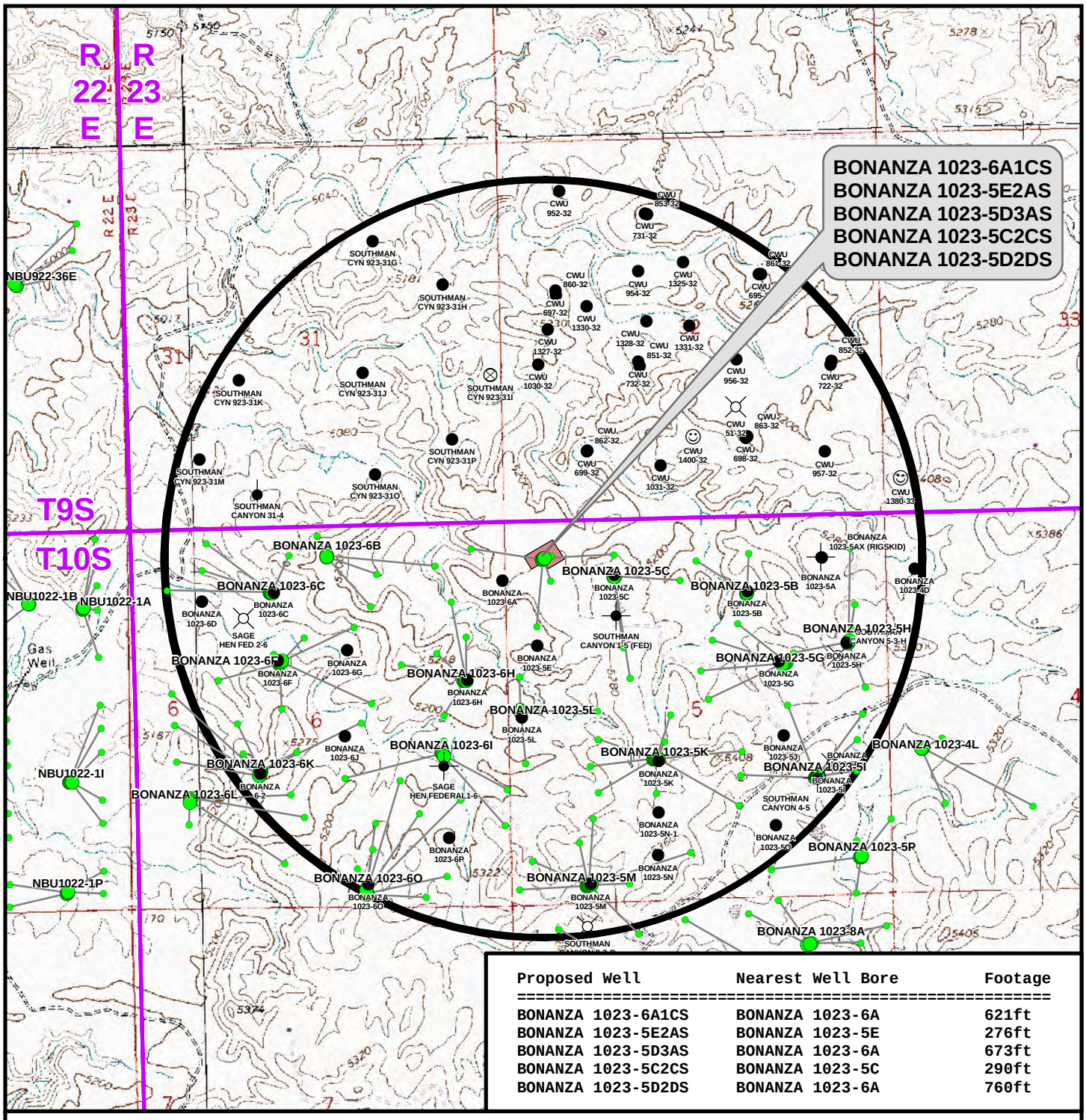
609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182

N

Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No: 12	12 of 17
Drawn: CPS	Date: 29 Mar 2010		
Revised: TL	Date: 25 June 2010		

RECEIVED: October 14, 2011

API Well Number: 43047520960000



Proposed Well	Nearest Well Bore	Footage
BONANZA 1023-6A1CS	BONANZA 1023-6A	621ft
BONANZA 1023-5E2AS	BONANZA 1023-5E	276ft
BONANZA 1023-5D3AS	BONANZA 1023-6A	673ft
BONANZA 1023-5C2CS	BONANZA 1023-5C	290ft
BONANZA 1023-5D2DS	BONANZA 1023-6A	760ft

Legend

- Well - Proposed
- Bottom Hole - Proposed
- Well Path
- Well Pad
- Well - 1 Mile Radius

Well locations derived from State of Utah, Dept. of Natural Resources, Division of Oil, Gas and Mining

- Producing
- Active
- Spudded (Drilling commenced: Not yet completed)
- Approved permit (APD); not yet spudded
- New Permit (Not yet approved or drilled)
- Inactive
- Drilling Operations Suspended
- Temporarily-Abandoned
- Shut-In
- Plugged and Abandoned
- Location Abandoned
- Dry hole marker, buried
- Returned APD (Unapproved)

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

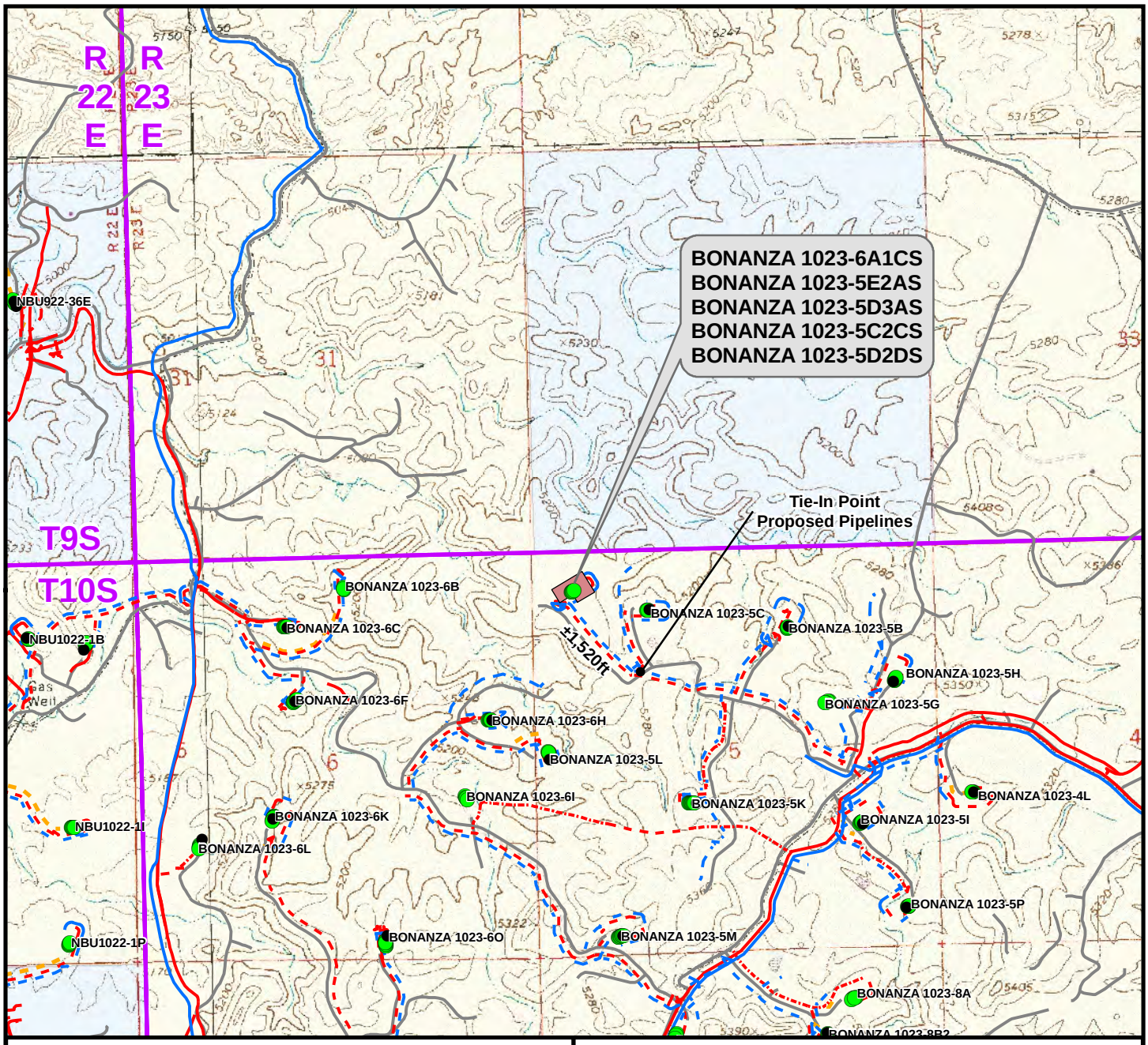
WELL PAD - BONANZA 1023-5D

TOPO C
BONANZA 1023-6A1CS, BONANZA 1023-5E2AS, BONANZA 1023-5D3AS, BONANZA 1023-5C2CS & BONANZA 1023-5D2DS
LOCATED IN SECTION 5, T10S, R23E
S.L.B.&M., UINTAH COUNTY, UTAH

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182

N

Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No: 13 of 17
Drawn: CPS	Date: 29 Mar 2010	
Revised: TL	Date: 25 June 2010	



Proposed Liquid Pipeline	Length
Proposed 6" (First Meter House to Edge of Pad)	±570ft
Proposed 6" (Edge of Pad to 5C Intersection)	±1,520ft
TOTAL PROPOSED LIQUID PIPELINE =	± 2,090ft

Proposed Gas Pipeline	Length
Proposed 6" (First Meter House to Edge of Pad)	±570ft
Proposed 6" (Edge of Pad to 5C Intersection)	±1,520ft
TOTAL PROPOSED GAS PIPELINE =	±2,090ft

Legend

- Well - Proposed
- Well - Existing
- Well Pad
- Gas Pipeline - Proposed
- Gas Pipeline - To Be Upgraded
- Gas Pipeline - Existing
- Liquid Pipeline - Proposed
- Liquid Pipeline - To Be Upgraded
- Liquid Pipeline - Existing
- Road - Proposed
- Road - Existing
- Bureau of Land Management
- Indian Reservation
- State
- Private

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-5D

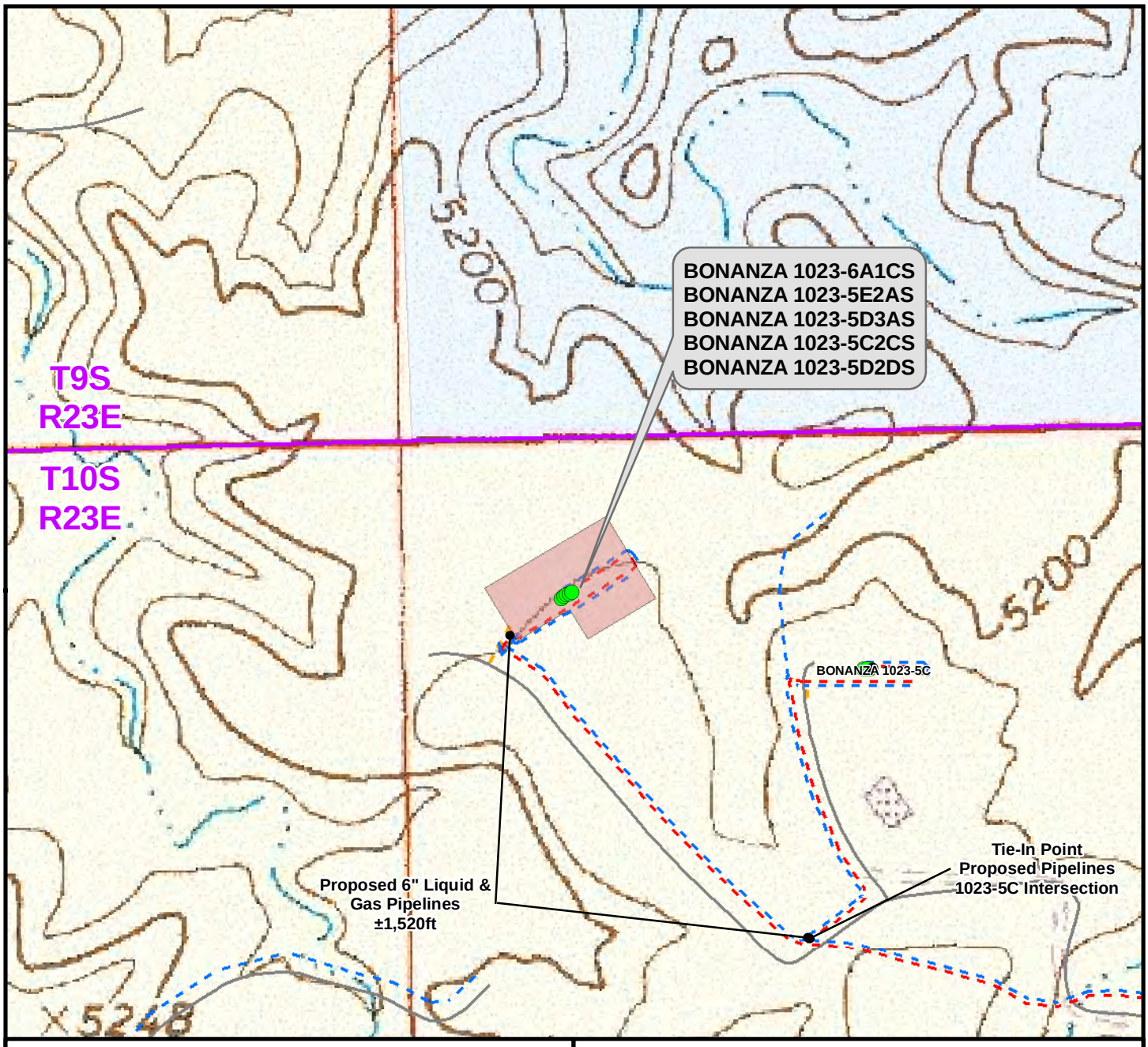
TOPO D
BONANZA 1023-6A1CS, BONANZA 1023-5E2AS, BONANZA 1023-5D3AS, BONANZA 1023-5C2CS & BONANZA 1023-5D2DS
LOCATED IN SECTION 5, T10S, R23E
S.L.B.&M., UINTAH COUNTY, UTAH

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182

N

Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No: 14 of 17
Drawn: CPS	Date: 29 Mar 2010	
Revised: TL	Date: 25 June 2010	

RECEIVED: October 14, 2011



Proposed Liquid Pipeline	Length
Proposed 6" (First Meter House to Edge of Pad)	±570ft
Proposed 6" (Edge of Pad to 5C Intersection)	±1,520ft
TOTAL PROPOSED LIQUID PIPELINE =	± 2,090ft

Proposed Gas Pipeline	Length
Proposed 6" (First Meter House to Edge of Pad)	±570ft
Proposed 6" (Edge of Pad to 5C Intersection)	±1,520ft
TOTAL PROPOSED GAS PIPELINE =	±2,090ft

Legend

- Well - Proposed
- Well - Existing
- Well Pad
- Gas Pipeline - Proposed
- Gas Pipeline - To Be Upgraded
- Gas Pipeline - Existing
- Liquid Pipeline - Proposed
- Liquid Pipeline - To Be Upgraded
- Liquid Pipeline - Existing
- Road - Proposed
- Road - Existing
- Bureau of Land Management
- Indian Reservation
- State
- Private

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-5D

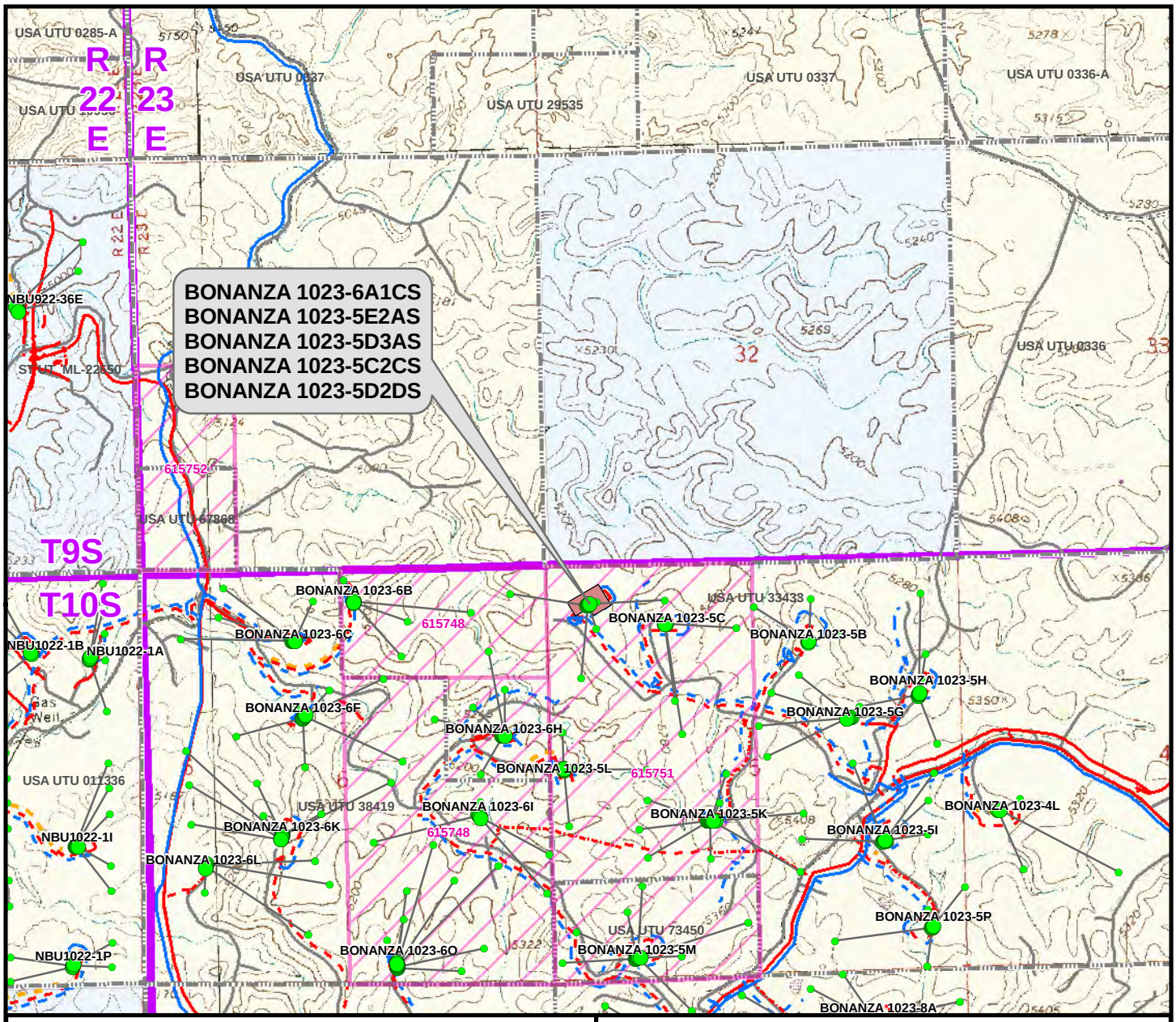
TOPO D (PAD & PIPELINE DETAIL)
BONANZA 1023-6A1CS, BONANZA 1023-5E2AS,
BONANZA 1023-5D3AS, BONANZA 1023-5C2CS &
BONANZA 1023-5D2DS
LOCATED IN SECTION 5, T10S, R23E
S.L.B.&M., UINTAH COUNTY, UTAH

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182

N

Scale: 1" = 500ft	NAD83 USP Central	Sheet No:
Drawn: CPS	Date: 29 Mar 2010	15
Revised: TL	Date: 25 June 2010	15 of 17

API Well Number: 43047520960000



Proposed Well	Distance to Nearest CA Boundary
BONANZA 1023-6A1CS	361ft
BONANZA 1023-5E2AS	384ft
BONANZA 1023-5D3AS	591ft
BONANZA 1023-5C2CS	485ft
BONANZA 1023-5D2DS	485ft

Proposed Well	Distance To Nearest Lease Boundary
BONANZA 1023-6A1CS	621ft
BONANZA 1023-5E2AS	1,257ft
BONANZA 1023-5D3AS	840ft
BONANZA 1023-5C2CS	485ft
BONANZA 1023-5D2DS	485ft

Legend

- Well - Proposed
- Bottom Hole - Proposed
- Well Path
- Well Pad
- CA Agreement
- Lease Boundary
- Gas Pipeline - Proposed
- Gas Pipeline - To Be Upgraded
- Gas Pipeline - Existing
- Liquid Pipeline - Proposed
- Liquid Pipeline - To Be Upgraded
- Liquid Pipeline - Existing
- Road - Proposed
- Road - Existing
- Bureau of Land Management
- Indian Reservation
- State
- Private

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-5D

TOPO E
BONANZA 1023-6A1CS, BONANZA 1023-5E2AS, BONANZA 1023-5D3AS, BONANZA 1023-5C2CS & BONANZA 1023-5D2DS
LOCATED IN SECTION 5, T10S, R23E
S.L.B.&M., UINTAH COUNTY, UTAH

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182

N

Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No: 16 of 17
Drawn: CPS	Date: 29 Mar 2010	
Revised: TL	Date: 25 June 2010	

Kerr-McGee Oil & Gas Onshore, LP
WELL PAD – BONANZA 1023-5D
WELLS – BONANZA 1023-6A1CS, BONANZA 1023-5E2AS, BONANZA 1023-5D3AS, BONANZA 1023-5C2CS & BONANZA 1023-5D2DS
Section 5, T10S, R23E, S.L.B.&M.

From the intersection of U.S. Highway 40 and 500 East Street in Vernal, Utah proceed in an easterly then southerly direction along U.S. Highway 40 approximately 3.3 miles to the junction of State Highway 45; exit right and proceed in a southerly direction along State Highway 45 approximately 20.2 miles to the junction of the Glen Bench Road (County B Road 3260). Exit right and proceed in a southwesterly direction along the Glen Bench Road approximately 14.4 miles to the intersection of the Chipeta Wells Road (County B Road 3410) which road intersection is approximately 400 feet northeast of the Mountain Fuel Bridge, at the White River. Exit left and proceed in a southeasterly direction along the Chipeta Wells Road approximately 6.7 miles to a Class D County Road to the right. Exit right and proceed in a southeasterly then southerly direction along the Class D Road approximately 1.3 miles to a second Class D County Road to the right. Exit right and proceed in a southwesterly direction along second Class D Road approximately 1.6 miles to a third Class D County Road to the right. Exit right and proceed in a northwesterly direction along third Class D Road approximately 1.0 miles to a proposed access road to the right. Exit right and follow the road flags in a northeasterly direction approximately 145 feet to the proposed well pad.

Total distance from Vernal, Utah to the proposed well location is approximately 48.5 miles in a southerly direction.

RECEIVED: October 14, 2011

API Well Number: 43047520960000

Scientific Drilling
Rocky Mountain Operations

Project: Uintah County, UT UTM12
Site: Bonanza 1023-5D Pad
Well: Bonanza 1023-6A1CS
Wellbore: OH
Design: PLAN #1

Anadarko Petroleum Corporation

Kerr McGee Oil and Gas Onshore LP

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	8605.00	172.66	-987.11	14524541.11	2099477.32	39° 59' 3.426 N	109° 21' 40.514 W	Circle (Radius: 25.00)

T M

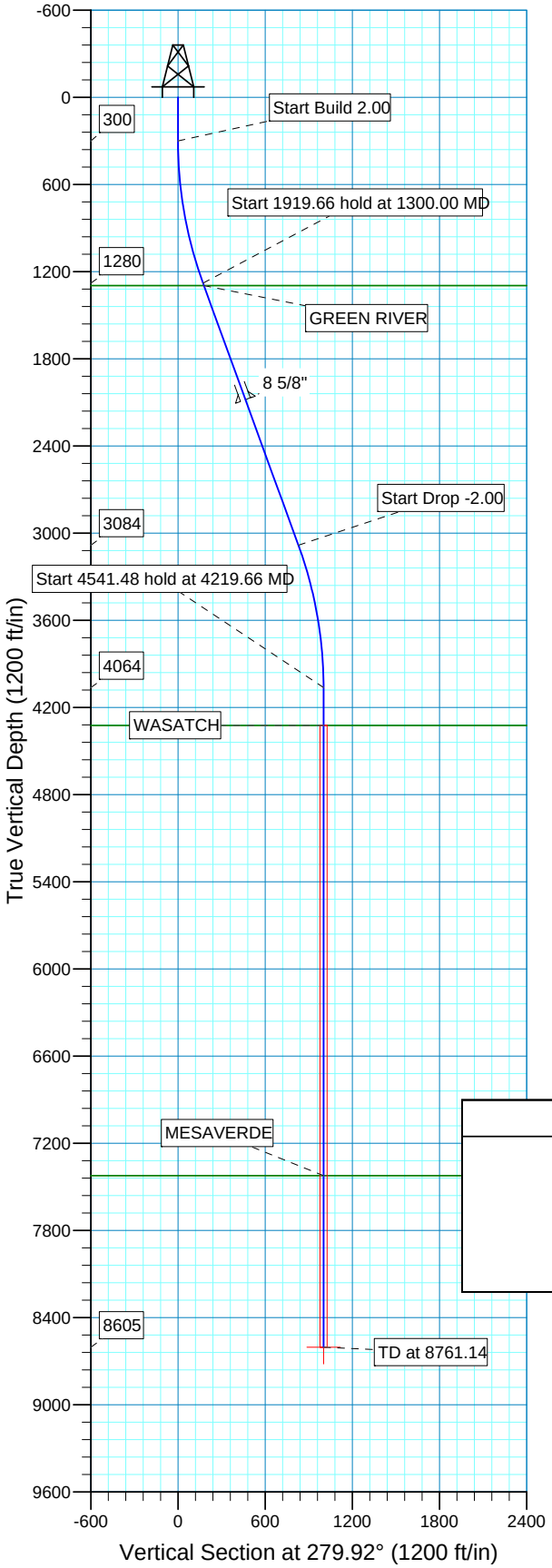
Azimuths to True North
Magnetic North: 11.13°

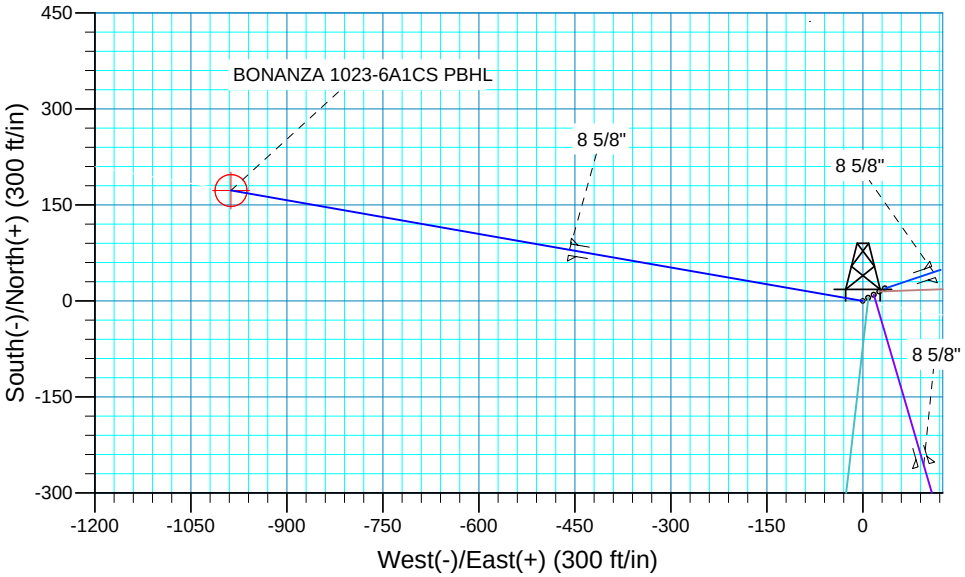
Magnetic Field
Strength: 52427.3snT
Dip Angle: 65.90°
Date: 07/22/2010
Model: IGRF2010

WELL DETAILS: Bonanza 1023-6A1CS

WELL @ 5254.00ft (Original Well Elev) 5239.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	14524386.67	2100467.44	39° 59' 1.720 N	109° 21' 27.832 W





SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	1300.00	20.00	279.92	1279.82	29.77	-170.18	2.00	279.92	172.77	
4	3219.66	20.00	279.92	3083.71	142.89	-816.93	0.00	0.00	829.33	
5	4219.66	0.00	0.00	4063.52	172.66	-987.11	2.00	180.00	1002.10	
6	8761.14	0.00	0.00	8605.00	172.66	-987.11	0.00	0.00	1002.10	

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1296.00	1317.22	GREEN RIVER
4324.00	4480.14	WASATCH
7424.00	7580.14	MESAVERDE

PROJECT DETAILS: Uintah County, UT UTM12

Geodetic System: Universal Transverse Mercator (US Survey Feet)
Datum: NAD 1927 - Western US
Ellipsoid: Clarke 1866
Zone: Zone 12N (114 W to 108 W)
Location: SEC 5 T10S R23W
System Datum: Mean Sea Level
Local North: True

Plan: PLAN #1 (Bonanza 1023-6A1CS/OH)

Created By: Robert H. Scott Date: 9:36, July 22 2010

Scientific Drilling
Rocky Mountain Operations

Kerr McGee Oil and Gas Onshore LP

Uintah County, UT UTM12
Bonanza 1023-5D Pad
Bonanza 1023-6A1CS
OH

Plan: PLAN #1

Standard Planning Report

22 July, 2010

Anadarko Petroleum Corporation

RECEIVED: October 14, 2011

Scientific Drilling
Rocky Mountain Operations

SDI
Planning Report

Anadarko Petroleum Corporation

Database:	EDM 2003.16 Single User Db	**Local Co-ordinate Reference:**	Well Bonanza 1023-6A1CS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	WELL @ 5254.00ft (Original Well Elev)
Project:	Uintah County, UT UTM12	**MD Reference:**	WELL @ 5254.00ft (Original Well Elev)
Site:	Bonanza 1023-5D Pad	**North Reference:**	True
Well:	Bonanza 1023-6A1CS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Project Uintah County, UT UTM12

Map System:	Universal Transverse Mercator (US Survey Fee	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site Bonanza 1023-5D Pad, SEC 5 T10S R23W

Site Position:		**Northing:**	14,524,406.97 ft	**Latitude:**	39° 59' 1.914 N
From:	Lat/Long	**Easting:**	2,100,501.82 ft	**Longitude:**	109° 21' 27.385 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	in	**Grid Convergence:**	1.06 °

Well Bonanza 1023-6A1CS, 534' FNL 481' FWL

Well Position	**+N/-S**	0.00 ft	**Northing:**	14,524,386.67 ft	**Latitude:**	39° 59' 1.720 N
	+E/-W	0.00 ft	**Easting:**	2,100,467.44 ft	**Longitude:**	109° 21' 27.832 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,239.00 ft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	07/22/2010	11.13	65.91	52,427

Design PLAN #1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	279.92

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	20.00	279.92	1,279.82	29.77	-170.18	2.00	2.00	0.00	279.92	
3,219.66	20.00	279.92	3,083.71	142.89	-816.93	0.00	0.00	0.00	0.00	
4,219.66	0.00	0.00	4,063.52	172.66	-987.11	2.00	-2.00	0.00	180.00	
8,761.14	0.00	0.00	8,605.00	172.66	-987.11	0.00	0.00	0.00	0.00	

Scientific Drilling
Rocky Mountain Operations

SDI
Planning Report

Anadarko Petroleum Corporation

Database:	EDM 2003.16 Single User Db	**Local Co-ordinate Reference:**	Well Bonanza 1023-6A1CS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	WELL @ 5254.00ft (Original Well Elev)
Project:	Uintah County, UT UTM12	**MD Reference:**	WELL @ 5254.00ft (Original Well Elev)
Site:	Bonanza 1023-5D Pad	**North Reference:**	True
Well:	Bonanza 1023-6A1CS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
400.00	2.00	279.92	399.98	0.30	-1.72	1.75	2.00	2.00	0.00
500.00	4.00	279.92	499.84	1.20	-6.87	6.98	2.00	2.00	0.00
600.00	6.00	279.92	599.45	2.70	-15.46	15.69	2.00	2.00	0.00
700.00	8.00	279.92	698.70	4.80	-27.46	27.88	2.00	2.00	0.00
800.00	10.00	279.92	797.47	7.50	-42.87	43.52	2.00	2.00	0.00
900.00	12.00	279.92	895.62	10.79	-61.67	62.60	2.00	2.00	0.00
1,000.00	14.00	279.92	993.06	14.66	-83.82	85.10	2.00	2.00	0.00
1,100.00	16.00	279.92	1,089.64	19.12	-109.32	110.98	2.00	2.00	0.00
1,200.00	18.00	279.92	1,185.27	24.16	-138.12	140.21	2.00	2.00	0.00
1,300.00	20.00	279.92	1,279.82	29.77	-170.18	172.77	2.00	2.00	0.00
Start 1919.66 hold at 1300.00 MD									
1,317.22	20.00	279.92	1,296.00	30.78	-175.99	178.66	0.00	0.00	0.00
GREEN RIVER									
1,400.00	20.00	279.92	1,373.78	35.66	-203.87	206.97	0.00	0.00	0.00
1,500.00	20.00	279.92	1,467.75	41.55	-237.57	241.17	0.00	0.00	0.00
1,600.00	20.00	279.92	1,561.72	47.45	-271.26	275.37	0.00	0.00	0.00
1,700.00	20.00	279.92	1,655.69	53.34	-304.95	309.58	0.00	0.00	0.00
1,800.00	20.00	279.92	1,749.66	59.23	-338.64	343.78	0.00	0.00	0.00
1,900.00	20.00	279.92	1,843.63	65.13	-372.33	377.98	0.00	0.00	0.00
2,000.00	20.00	279.92	1,937.60	71.02	-406.02	412.18	0.00	0.00	0.00
2,100.00	20.00	279.92	2,031.57	76.91	-439.71	446.38	0.00	0.00	0.00
2,154.73	20.00	279.92	2,083.00	80.14	-458.15	465.10	0.00	0.00	0.00
8 5/8"									
2,200.00	20.00	279.92	2,125.54	82.80	-473.40	480.59	0.00	0.00	0.00
2,300.00	20.00	279.92	2,219.51	88.70	-507.09	514.79	0.00	0.00	0.00
2,400.00	20.00	279.92	2,313.48	94.59	-540.78	548.99	0.00	0.00	0.00
2,500.00	20.00	279.92	2,407.45	100.48	-574.47	583.19	0.00	0.00	0.00
2,600.00	20.00	279.92	2,501.42	106.38	-608.16	617.39	0.00	0.00	0.00
2,700.00	20.00	279.92	2,595.39	112.27	-641.85	651.60	0.00	0.00	0.00
2,800.00	20.00	279.92	2,689.35	118.16	-675.54	685.80	0.00	0.00	0.00
2,900.00	20.00	279.92	2,783.32	124.06	-709.23	720.00	0.00	0.00	0.00
3,000.00	20.00	279.92	2,877.29	129.95	-742.92	754.20	0.00	0.00	0.00
3,100.00	20.00	279.92	2,971.26	135.84	-776.61	788.40	0.00	0.00	0.00
3,200.00	20.00	279.92	3,065.23	141.74	-810.30	822.61	0.00	0.00	0.00
3,219.66	20.00	279.92	3,083.71	142.89	-816.93	829.33	0.00	0.00	0.00
Start Drop -2.00									
3,300.00	18.39	279.92	3,159.58	147.45	-842.95	855.75	2.00	-2.00	0.00
3,400.00	16.39	279.92	3,255.00	152.60	-872.39	885.64	2.00	-2.00	0.00
3,500.00	14.39	279.92	3,351.41	157.17	-898.54	912.18	2.00	-2.00	0.00
3,600.00	12.39	279.92	3,448.68	161.16	-921.35	935.34	2.00	-2.00	0.00
3,700.00	10.39	279.92	3,546.71	164.56	-940.81	955.10	2.00	-2.00	0.00
3,800.00	8.39	279.92	3,645.36	167.37	-956.89	971.42	2.00	-2.00	0.00
3,900.00	6.39	279.92	3,744.52	169.59	-969.56	984.28	2.00	-2.00	0.00
4,000.00	4.39	279.92	3,844.08	171.21	-978.82	993.68	2.00	-2.00	0.00
4,100.00	2.39	279.92	3,943.90	172.23	-984.65	999.60	2.00	-2.00	0.00
4,200.00	0.39	279.92	4,043.86	172.65	-987.05	1,002.03	2.00	-2.00	0.00
4,219.66	0.00	0.00	4,063.52	172.66	-987.11	1,002.10	2.00	-2.00	0.00
Start 4541.48 hold at 4219.66 MD									

Scientific Drilling
Rocky Mountain Operations

SDI
Planning Report

Anadarko Petroleum Corporation

Database:	EDM 2003.16 Single User Db	**Local Co-ordinate Reference:**	Well Bonanza 1023-6A1CS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	WELL @ 5254.00ft (Original Well Elev)
Project:	Uintah County, UT UTM12	**MD Reference:**	WELL @ 5254.00ft (Original Well Elev)
Site:	Bonanza 1023-5D Pad	**North Reference:**	True
Well:	Bonanza 1023-6A1CS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,300.00	0.00	0.00	4,143.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
4,400.00	0.00	0.00	4,243.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
4,480.14	0.00	0.00	4,324.00	172.66	-987.11	1,002.10	0.00	0.00	0.00
WASATCH									
4,500.00	0.00	0.00	4,343.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
4,600.00	0.00	0.00	4,443.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
4,700.00	0.00	0.00	4,543.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
4,800.00	0.00	0.00	4,643.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
4,900.00	0.00	0.00	4,743.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
5,000.00	0.00	0.00	4,843.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
5,100.00	0.00	0.00	4,943.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
5,200.00	0.00	0.00	5,043.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
5,300.00	0.00	0.00	5,143.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
5,400.00	0.00	0.00	5,243.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
5,500.00	0.00	0.00	5,343.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
5,600.00	0.00	0.00	5,443.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
5,700.00	0.00	0.00	5,543.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
5,800.00	0.00	0.00	5,643.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
5,900.00	0.00	0.00	5,743.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
6,000.00	0.00	0.00	5,843.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
6,100.00	0.00	0.00	5,943.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
6,200.00	0.00	0.00	6,043.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
6,300.00	0.00	0.00	6,143.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
6,400.00	0.00	0.00	6,243.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
6,500.00	0.00	0.00	6,343.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
6,600.00	0.00	0.00	6,443.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
6,700.00	0.00	0.00	6,543.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
6,800.00	0.00	0.00	6,643.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
6,900.00	0.00	0.00	6,743.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
7,000.00	0.00	0.00	6,843.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
7,100.00	0.00	0.00	6,943.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
7,200.00	0.00	0.00	7,043.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
7,300.00	0.00	0.00	7,143.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
7,400.00	0.00	0.00	7,243.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
7,500.00	0.00	0.00	7,343.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
7,580.14	0.00	0.00	7,424.00	172.66	-987.11	1,002.10	0.00	0.00	0.00
MESAVERDE									
7,600.00	0.00	0.00	7,443.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
7,700.00	0.00	0.00	7,543.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
7,800.00	0.00	0.00	7,643.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
7,900.00	0.00	0.00	7,743.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
8,000.00	0.00	0.00	7,843.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
8,100.00	0.00	0.00	7,943.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
8,200.00	0.00	0.00	8,043.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
8,300.00	0.00	0.00	8,143.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
8,400.00	0.00	0.00	8,243.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
8,500.00	0.00	0.00	8,343.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
8,600.00	0.00	0.00	8,443.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
8,700.00	0.00	0.00	8,543.86	172.66	-987.11	1,002.10	0.00	0.00	0.00
8,761.14	0.00	0.00	8,605.00	172.66	-987.11	1,002.10	0.00	0.00	0.00
TD at 8761.14 - BONANZA 1023-6A1CS PBHL									

Scientific Drilling
Rocky Mountain Operations

Kerr McGee Oil and Gas Onshore LP

Uintah County, UT UTM12
Bonanza 1023-5D Pad
Bonanza 1023-6A1CS
OH

Plan: PLAN #1

Standard Planning Report - Geographic

22 July, 2010

Anadarko Petroleum Corporation

RECEIVED: October 14, 2011

Scientific Drilling
Rocky Mountain Operations

SDI
Planning Report - Geographic

Anadarko Petroleum Corporation

Database:	EDM 2003.16 Single User Db	**Local Co-ordinate Reference:**	Well Bonanza 1023-6A1CS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	WELL @ 5254.00ft (Original Well Elev)
Project:	Uintah County, UT UTM12	**MD Reference:**	WELL @ 5254.00ft (Original Well Elev)
Site:	Bonanza 1023-5D Pad	**North Reference:**	True
Well:	Bonanza 1023-6A1CS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Project Uintah County, UT UTM12

Map System:	Universal Transverse Mercator (US Survey Fee	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site Bonanza 1023-5D Pad, SEC 5 T10S R23W

Site Position:		**Northing:**	14,524,406.97 ft	**Latitude:**	39° 59' 1.914 N
From:	Lat/Long	**Easting:**	2,100,501.82 ft	**Longitude:**	109° 21' 27.385 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	in	**Grid Convergence:**	1.06 °

Well Bonanza 1023-6A1CS, 534' FNL 481' FWL

Well Position	**+N/-S**	0.00 ft	**Northing:**	14,524,386.67 ft	**Latitude:**	39° 59' 1.720 N
	+E/-W	0.00 ft	**Easting:**	2,100,467.44 ft	**Longitude:**	109° 21' 27.832 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,239.00 ft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	07/22/2010	11.13	65.91	52,427

Design PLAN #1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	279.92

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	20.00	279.92	1,279.82	29.77	-170.18	2.00	2.00	0.00	279.92	
3,219.66	20.00	279.92	3,083.71	142.89	-816.93	0.00	0.00	0.00	0.00	
4,219.66	0.00	0.00	4,063.52	172.66	-987.11	2.00	-2.00	0.00	180.00	
8,761.14	0.00	0.00	8,605.00	172.66	-987.11	0.00	0.00	0.00	0.00	

Scientific Drilling
Rocky Mountain Operations

SDI

Planning Report - Geographic

Anadarko Petroleum Corporation

Database:	EDM 2003.16 Single User Db	**Local Co-ordinate Reference:**	Well Bonanza 1023-6A1CS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	WELL @ 5254.00ft (Original Well Elev)
Project:	Uintah County, UT UTM12	**MD Reference:**	WELL @ 5254.00ft (Original Well Elev)
Site:	Bonanza 1023-5D Pad	**North Reference:**	True
Well:	Bonanza 1023-6A1CS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	14,524,386.67	2,100,467.44	39° 59' 1.720 N	109° 21' 27.832 W
100.00	0.00	0.00	100.00	0.00	0.00	14,524,386.67	2,100,467.44	39° 59' 1.720 N	109° 21' 27.832 W
200.00	0.00	0.00	200.00	0.00	0.00	14,524,386.67	2,100,467.44	39° 59' 1.720 N	109° 21' 27.832 W
300.00	0.00	0.00	300.00	0.00	0.00	14,524,386.67	2,100,467.44	39° 59' 1.720 N	109° 21' 27.832 W
Start Build 2.00									
400.00	2.00	279.92	399.98	0.30	-1.72	14,524,386.93	2,100,465.72	39° 59' 1.723 N	109° 21' 27.854 W
500.00	4.00	279.92	499.84	1.20	-6.87	14,524,387.74	2,100,460.55	39° 59' 1.731 N	109° 21' 27.920 W
600.00	6.00	279.92	599.45	2.70	-15.46	14,524,389.08	2,100,451.94	39° 59' 1.746 N	109° 21' 28.030 W
700.00	8.00	279.92	698.70	4.80	-27.46	14,524,390.96	2,100,439.90	39° 59' 1.767 N	109° 21' 28.184 W
800.00	10.00	279.92	797.47	7.50	-42.87	14,524,393.37	2,100,424.44	39° 59' 1.794 N	109° 21' 28.382 W
900.00	12.00	279.92	895.62	10.79	-61.67	14,524,396.31	2,100,405.59	39° 59' 1.826 N	109° 21' 28.624 W
1,000.00	14.00	279.92	993.06	14.66	-83.82	14,524,399.78	2,100,383.36	39° 59' 1.865 N	109° 21' 28.909 W
1,100.00	16.00	279.92	1,089.64	19.12	-109.32	14,524,403.77	2,100,357.79	39° 59' 1.909 N	109° 21' 29.236 W
1,200.00	18.00	279.92	1,185.27	24.16	-138.12	14,524,408.28	2,100,328.91	39° 59' 1.958 N	109° 21' 29.606 W
1,300.00	20.00	279.92	1,279.82	29.77	-170.18	14,524,413.29	2,100,296.74	39° 59' 2.014 N	109° 21' 30.018 W
Start 1919.66 hold at 1300.00 MD									
1,317.22	20.00	279.92	1,296.00	30.78	-175.99	14,524,414.20	2,100,290.92	39° 59' 2.024 N	109° 21' 30.093 W
GREEN RIVER									
1,400.00	20.00	279.92	1,373.78	35.66	-203.87	14,524,418.56	2,100,262.95	39° 59' 2.072 N	109° 21' 30.451 W
1,500.00	20.00	279.92	1,467.75	41.55	-237.57	14,524,423.84	2,100,229.15	39° 59' 2.130 N	109° 21' 30.884 W
1,600.00	20.00	279.92	1,561.72	47.45	-271.26	14,524,429.11	2,100,195.36	39° 59' 2.189 N	109° 21' 31.317 W
1,700.00	20.00	279.92	1,655.69	53.34	-304.95	14,524,434.38	2,100,161.57	39° 59' 2.247 N	109° 21' 31.750 W
1,800.00	20.00	279.92	1,749.66	59.23	-338.64	14,524,439.65	2,100,127.77	39° 59' 2.305 N	109° 21' 32.183 W
1,900.00	20.00	279.92	1,843.63	65.13	-372.33	14,524,444.92	2,100,093.98	39° 59' 2.363 N	109° 21' 32.615 W
2,000.00	20.00	279.92	1,937.60	71.02	-406.02	14,524,450.19	2,100,060.19	39° 59' 2.422 N	109° 21' 33.048 W
2,100.00	20.00	279.92	2,031.57	76.91	-439.71	14,524,455.46	2,100,026.39	39° 59' 2.480 N	109° 21' 33.481 W
2,154.73	20.00	279.92	2,083.00	80.14	-458.15	14,524,458.35	2,100,007.90	39° 59' 2.512 N	109° 21' 33.718 W
8 5/8"									
2,200.00	20.00	279.92	2,125.54	82.80	-473.40	14,524,460.74	2,099,992.60	39° 59' 2.538 N	109° 21' 33.914 W
2,300.00	20.00	279.92	2,219.51	88.70	-507.09	14,524,466.01	2,099,958.81	39° 59' 2.596 N	109° 21' 34.347 W
2,400.00	20.00	279.92	2,313.48	94.59	-540.78	14,524,471.28	2,099,925.01	39° 59' 2.654 N	109° 21' 34.780 W
2,500.00	20.00	279.92	2,407.45	100.48	-574.47	14,524,476.55	2,099,891.22	39° 59' 2.713 N	109° 21' 35.213 W
2,600.00	20.00	279.92	2,501.42	106.38	-608.16	14,524,481.82	2,099,857.43	39° 59' 2.771 N	109° 21' 35.645 W
2,700.00	20.00	279.92	2,595.39	112.27	-641.85	14,524,487.09	2,099,823.63	39° 59' 2.829 N	109° 21' 36.078 W
2,800.00	20.00	279.92	2,689.35	118.16	-675.54	14,524,492.36	2,099,789.84	39° 59' 2.887 N	109° 21' 36.511 W
2,900.00	20.00	279.92	2,783.32	124.06	-709.23	14,524,497.64	2,099,756.05	39° 59' 2.946 N	109° 21' 36.944 W
3,000.00	20.00	279.92	2,877.29	129.95	-742.92	14,524,502.91	2,099,722.25	39° 59' 3.004 N	109° 21' 37.377 W
3,100.00	20.00	279.92	2,971.26	135.84	-776.61	14,524,508.18	2,099,688.46	39° 59' 3.062 N	109° 21' 37.810 W
3,200.00	20.00	279.92	3,065.23	141.74	-810.30	14,524,513.45	2,099,654.67	39° 59' 3.120 N	109° 21' 38.243 W
3,219.66	20.00	279.92	3,083.71	142.89	-816.93	14,524,514.49	2,099,648.02	39° 59' 3.132 N	109° 21' 38.328 W
Start Drop -2.00									
3,300.00	18.39	279.92	3,159.58	147.45	-842.95	14,524,518.56	2,099,621.92	39° 59' 3.177 N	109° 21' 38.662 W
3,400.00	16.39	279.92	3,255.00	152.60	-872.39	14,524,523.16	2,099,592.39	39° 59' 3.228 N	109° 21' 39.040 W
3,500.00	14.39	279.92	3,351.41	157.17	-898.54	14,524,527.25	2,099,566.16	39° 59' 3.273 N	109° 21' 39.376 W
3,600.00	12.39	279.92	3,448.68	161.16	-921.35	14,524,530.82	2,099,543.28	39° 59' 3.312 N	109° 21' 39.670 W
3,700.00	10.39	279.92	3,546.71	164.56	-940.81	14,524,533.87	2,099,523.76	39° 59' 3.346 N	109° 21' 39.920 W
3,800.00	8.39	279.92	3,645.36	167.37	-956.89	14,524,536.38	2,099,507.64	39° 59' 3.374 N	109° 21' 40.126 W
3,900.00	6.39	279.92	3,744.52	169.59	-969.56	14,524,538.37	2,099,494.92	39° 59' 3.396 N	109° 21' 40.289 W
4,000.00	4.39	279.92	3,844.08	171.21	-978.82	14,524,539.82	2,099,485.64	39° 59' 3.412 N	109° 21' 40.408 W
4,100.00	2.39	279.92	3,943.90	172.23	-984.65	14,524,540.73	2,099,479.79	39° 59' 3.422 N	109° 21' 40.483 W
4,200.00	0.39	279.92	4,043.86	172.65	-987.05	14,524,541.10	2,099,477.39	39° 59' 3.426 N	109° 21' 40.514 W
4,219.66	0.00	0.00	4,063.52	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
Start 4541.48 hold at 4219.66 MD									

Scientific Drilling
Rocky Mountain Operations

SDI

Planning Report - Geographic

Anadarko Petroleum Corporation

Database:	EDM 2003.16 Single User Db	**Local Co-ordinate Reference:**	Well Bonanza 1023-6A1CS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	WELL @ 5254.00ft (Original Well Elev)
Project:	Uintah County, UT UTM12	**MD Reference:**	WELL @ 5254.00ft (Original Well Elev)
Site:	Bonanza 1023-5D Pad	**North Reference:**	True
Well:	Bonanza 1023-6A1CS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
4,300.00	0.00	0.00	4,143.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
4,400.00	0.00	0.00	4,243.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
4,480.14	0.00	0.00	4,324.00	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
WASATCH									
4,500.00	0.00	0.00	4,343.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
4,600.00	0.00	0.00	4,443.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
4,700.00	0.00	0.00	4,543.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
4,800.00	0.00	0.00	4,643.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
4,900.00	0.00	0.00	4,743.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
5,000.00	0.00	0.00	4,843.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
5,100.00	0.00	0.00	4,943.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
5,200.00	0.00	0.00	5,043.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
5,300.00	0.00	0.00	5,143.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
5,400.00	0.00	0.00	5,243.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
5,500.00	0.00	0.00	5,343.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
5,600.00	0.00	0.00	5,443.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
5,700.00	0.00	0.00	5,543.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
5,800.00	0.00	0.00	5,643.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
5,900.00	0.00	0.00	5,743.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
6,000.00	0.00	0.00	5,843.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
6,100.00	0.00	0.00	5,943.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
6,200.00	0.00	0.00	6,043.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
6,300.00	0.00	0.00	6,143.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
6,400.00	0.00	0.00	6,243.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
6,500.00	0.00	0.00	6,343.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
6,600.00	0.00	0.00	6,443.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
6,700.00	0.00	0.00	6,543.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
6,800.00	0.00	0.00	6,643.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
6,900.00	0.00	0.00	6,743.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
7,000.00	0.00	0.00	6,843.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
7,100.00	0.00	0.00	6,943.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
7,200.00	0.00	0.00	7,043.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
7,300.00	0.00	0.00	7,143.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
7,400.00	0.00	0.00	7,243.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
7,500.00	0.00	0.00	7,343.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
7,580.14	0.00	0.00	7,424.00	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
MESAVERDE									
7,600.00	0.00	0.00	7,443.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
7,700.00	0.00	0.00	7,543.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
7,800.00	0.00	0.00	7,643.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
7,900.00	0.00	0.00	7,743.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
8,000.00	0.00	0.00	7,843.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
8,100.00	0.00	0.00	7,943.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
8,200.00	0.00	0.00	8,043.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
8,300.00	0.00	0.00	8,143.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
8,400.00	0.00	0.00	8,243.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
8,500.00	0.00	0.00	8,343.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
8,600.00	0.00	0.00	8,443.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
8,700.00	0.00	0.00	8,543.86	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
8,761.14	0.00	0.00	8,605.00	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W
TD at 8761.14 - BONANZA 1023-6A1CS PBHL									

Scientific Drilling
Rocky Mountain Operations

SDI
Planning Report - Geographic

Anadarko Petroleum Corporation

Database:	EDM 2003.16 Single User Db	**Local Co-ordinate Reference:**	Well Bonanza 1023-6A1CS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	WELL @ 5254.00ft (Original Well Elev)
Project:	Uintah County, UT UTM12	**MD Reference:**	WELL @ 5254.00ft (Original Well Elev)
Site:	Bonanza 1023-5D Pad	**North Reference:**	True
Well:	Bonanza 1023-6A1CS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
BONANZA 1023-6A1(- plan hits target center - Circle (radius 25.00)	0.00	0.00	8,605.00	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
2,154.73	2,083.00	8 5/8"	8.620	11.000

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
7,580.14	7,424.00	MESAVERDE			
4,480.14	4,324.00	WASATCH			
1,317.22	1,296.00	GREEN RIVER			

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
300.00	300.00	0.00	0.00	Start Build 2.00
1,300.00	1,279.82	29.77	-170.18	Start 1919.66 hold at 1300.00 MD
3,219.66	3,083.71	142.89	-816.93	Start Drop -2.00
4,219.66	4,063.52	172.66	-987.11	Start 4541.48 hold at 4219.66 MD
8,761.14	8,605.00	172.66	-987.11	TD at 8761.14

Scientific Drilling
Rocky Mountain Operations

SDI
Planning Report

Anadarko Petroleum Corporation

Database:	EDM 2003.16 Single User Db	**Local Co-ordinate Reference:**	Well Bonanza 1023-6A1CS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	WELL @ 5254.00ft (Original Well Elev)
Project:	Uintah County, UT UTM12	**MD Reference:**	WELL @ 5254.00ft (Original Well Elev)
Site:	Bonanza 1023-5D Pad	**North Reference:**	True
Well:	Bonanza 1023-6A1CS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
BONANZA 1023-6A1(- plan hits target center - Circle (radius 25.00)	0.00	0.00	8,605.00	172.66	-987.11	14,524,541.11	2,099,477.32	39° 59' 3.426 N	109° 21' 40.514 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
2,154.73	2,083.00	8 5/8"	8.620	11.000

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
7,580.14	7,424.00	MESAVERDE			
4,480.14	4,324.00	WASATCH			
1,317.22	1,296.00	GREEN RIVER			

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
300.00	300.00	0.00	0.00	Start Build 2.00
1,300.00	1,279.82	29.77	-170.18	Start 1919.66 hold at 1300.00 MD
3,219.66	3,083.71	142.89	-816.93	Start Drop -2.00
4,219.66	4,063.52	172.66	-987.11	Start 4541.48 hold at 4219.66 MD
8,761.14	8,605.00	172.66	-987.11	TD at 8761.14

Kerr-McGee Oil & Gas Onshore. L.P.

Bonanza 1023-5D Pad

API #	**BONANZA 1023-5C2CS**			
	Surface:	519 FNL / 507 FWL	NWNW	Lot 4
	BHL:	485 FNL / 1480 FWL	NENW	Lot 3
API #	**BONANZA 1023-5D2DS**			
	Surface:	514 FNL / 516 FWL	NWNW	Lot 4
	BHL:	485 FNL / 603 FWL	NWNW	Lot 4
API #	**BONANZA 1023-5D3AS**			
	Surface:	524 FNL / 499 FWL	NWNW	Lot 4
	BHL:	840 FNL / 591 FWL	NWNW	Lot 4
API #	**BONANZA 1023-5E2AS**			
	Surface:	529 FNL / 490 FWL	NWNW	Lot 4
	BHL:	1461 FNL / 384 FWL	SWNW	Lot
API #	**BONANZA 1023-6A1CS**			
	Surface:	534 FNL / 481 FWL	NWNW	Lot 4
	BHL:	361 FNL / 506 FEL	NENE	Lot 1

This Surface Use Plan of Operations (SUPO) or 13-point plan provides site-specific information for the above-referenced wells.

In accordance with Utah Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling, these wells will be directionally drilled. Refer to Topo Map A for directions to the location and Topo Maps A and B for location of access roads within a 2-mile radius.

An on-site meeting was held on May 19, 2010. Present were:

- David Gordon, NRS; Kevin Sadiler, NRS; Ryan Angus, PET Engineer; Steve Strong, Reclamation; Dan Emmett, Wildlife Biologist - BLM;
- John Slaugh, Mitch Batty, Brian Venn, Jacob Dunham, Jake Edmunds, B.J. Reenders - 609 & Timberline Engineering & Land Surveying, Inc.
- Danielle Piernot and Kathy Schneebeck Dulnoan, Regulatory; Brad Burman, Completions; Clay Einerson, Construction; Grizz Oleen, Environmental; Charles Chase, Reclamation; Lovell Young, Drilling, Roger Parry and Ramey Hoopes, Construction

A. Existing Roads:

Existing roads consist of county and improved/unimproved access roads (two-tracks). In accordance with Onshore Order #1, Kerr-McGee will, in accordance with BMPs, improve or maintain existing roads in a condition that is the same as or better than before operations began. New or reconstructed proposed access roads are discussed in Section B.

The existing roads will be maintained in a safe and usable condition. Maintenance for existing roads will continue until final abandonment and reclamation of well pads and/or other facilities, as applicable. Road maintenance will include, but is not limited to, blading, ditching, and/or culvert installation and cleanout. To ensure safe operating conditions, gravel surfacing will be performed where excessive rutting or erosion may occur. Dust control will be performed as necessary to ensure safe operating conditions.

RECEIVED: October 14, 2011

Roads, gathering lines and electrical distribution lines will occupy common disturbance corridors where possible. Where available, roadways will be used as the staging area and working space for installation of gathering lines. All disturbances located in the same corridor will overlap each other to the maximum extent possible, while maintaining safe and sound construction and installation practices. Unless otherwise approved or requested in site specific documents, in no case will the maximum disturbance widths of the access road and utility corridors exceed the widths specified in Part D of this document.

Please refer to Topo B, for existing roads.

All access roads leading to the pad are exsisting and on lease; therefore do not require a ROW.

(1.0 miles) – Section 5 T10S R23E (NW/4 NW/4) – On-lease UTU33433, from existing pad traveling southeast onto existing road to the county road intersection.

B. New or Reconstructed Access Roads:

All new or reconstructed roads will be located, designed, and maintained to meet the standards of the BLM. BMPs. Described in the BLM's Surface Operating Standards for Oil and Gas Exploration and Development, 4th Edition (Gold Book) (USDI and USDA, 2007) and/or BLM Manual Section 9113 (1985) will be considered in consultation with the BLM in the design, construction, improvement and maintenance of all new or reconstructed roads. If a new road would cross a water of the United States, Kerr-McGee will adhere to the requirements of applicable Nationwide Permits of the Department of Army Corps of Engineers.

Each new well pad or pad expansion may require construction of a new access road and/or de-commissioning of an older road. Plans, routes, and distances for new roads and road improvements are provided in design packages, exhibits and maps for a project. Project-specific maps are submitted to depict the locations of existing, proposed, and/or decommissioned and include the locations for supporting structures, including, but not limited to, culverts, bridges, low water crossings, range infrastructure, and haul routes, as per OSO 1. Designs for cuts and fills, including spoils source and storage areas, are provided with the road designs, as necessary.

Where safety objectives can be met. As applicable, Kerr-McGee may use unimproved and/or two-track roads for lease operations, to lessen total disturbance.

Road designs will be based on the road safety requirements, traffic characteristics, environmental conditions, and the vehicles the road is intended to carry. Generally, newly constructed unpaved lease roads will be crowned and ditched with the running surfaces of the roads approximately 12-18 feet wide and a total road corridor width not to exceed 45 feet, except where noted in the road design for a specific project. Maximum grade will generally not exceed 8%. Borrow ditches will be back sloped 3:1 or less. Construction BMPs will be employed to control onsite and offsite erosion.

Where topography would direct storm water runoff to an access road or well pad, drainage ditches or other common drainage control facilities, such as V- or wing-ditches, will be constructed to divert surface water runoff. Drainage features, including culverts, will be constructed or installed prior to commencing other operations, including drilling or facilities placement. Riprap will be placed at the inlet and outlet at the culvert(s), as necessary.

Prior to construction, new access road(s) will be staked according to the requirements of OSO 1. Construction activity will not be conducted using frozen or saturated materials or during periods when significant watershed damage (e.g. rutting, extensive sheet soil erosion, formation of rills/gullies, etc.) is likely to occur. Vegetative debris will not be placed in or under fill embankments.

New road maintenance will include, but is not limited to, blading, ditching, culvert installation and cleanout, gravel surfacing where excessive rutting or erosion may occur and dust control, as necessary to ensure safe operating

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conditions. All vehicular traffic, personnel movement, construction/restoration operations will be confined to the approved area and to existing roadways and/or access routes.

Snow removal will be conducted on an as-needed basis to accommodate safe travel. Snow removal will occur as necessary throughout the year, as will necessary drainage ditch construction. Removed snow may be stored on permitted well pads to reduce hauling distances and/or at the aerial extent of approved disturbance boundaries to facilitate snow removal for the remainder of the season.

If a county road crossing or encroachment permit is needed, it will be obtained prior to construction.

The following segments are "on-lease"

±145' (0.02 miles) – Section 5 T10S R23E (NW/4 NW/4) – On-lease UTU33433, from the edge of pad to the T-intersection in NW/4 NW/4. Please refer to Topo D.

** Please refer to Topo B

C. Location of Existing Wells:

A) Refer to Topo Map C.

D. Location of Existing and/or Proposed Facilities:

The Bonanza 1023-5D Pad will be a newly constructed pad. Gathering (pipeline) infrastructure will be utilized to collect and transport gas and fluids from the wells which are owned and operated by Kerr McGee Oil and Gas Onshore LP (Kerr-McGee).

Should the well(s) prove productive, production facilities will be installed on the disturbed portion of each well pad. A berm will be constructed completely around production components (typically excluding dehy's and/or separators) that contain fluids (i.e. production tanks, produced liquids tanks). The berms will generally be constructed of compacted subsoil or corrugated metal, and will hold the capacity of the largest tank and have sufficient freeboard to accomodate a 25 year rainfall event. This includes pumping units. Aboveground structures constructed or installed onsite for 6 months or longer, will be painted a flat, non-reflective, earth-tone color chosen at the onsite in coordination with the BLM (typically Shadow Gray). A production facility layout is provided as part of a project-specific APD, ROW or NOS submission.

GAS GATHERING

Please refer to Exhibit B and Topo D- Pad and Pipeline Detail.

The gas gathering pipeline material: Steel line pipe. Surface = Bare pipe. Buried = Coated with fusion bonded epoxy coating (or equivalent). The total gas gathering pipeline distance from the meter to the tie in point is ±5,760' and the individual segments are broken up as follows:

The following segments are "onlease", no ROW needed.

±570' (0.11 miles) – Section 5 T10S R23E (NW/4 NW/4) – On-lease UTU33433, BLM surface, New 6" buried gas gathering pipeline from the first meter house to the edge of the pad. Please refer to Topo D2 - Pad and Pipeline Detail.

±1,520' (0.29 miles) – Section 5 T10S R23E (NW/4 NW/4) – On-lease UTU33433, BLM surface, New 6" buried gas gathering pipeline from the edge of the pad to the proposed 8" tie-in at the 1023-5C intersection. Please refer to Topo D and Exhibit A, Line 1.

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±1,340' (0.25 miles) – Section 5 T10S R23E (SE/4 NW/4) – On-lease UTU33433, BLM surface, New 8" buried gas gathering pipeline from the 1023-5C intersection to the proposed 10" tie-in at the 1023-5K intersection. Please refer to Topo D and Exhibit A, Line 3. This pipeline will be used concurrently with the Bonanza 1023-5C Pad.

±2,330' (0.5 miles) – Section 5 T10S R23E (SW/4 NE/4) – On-lease UTU33433, BLM surface, New 10" buried gas gathering pipeline from the 1023-5K intersection traveling Southeast to tie-in to the existing buried 16" gas pipeline. Please refer to Exhibit A, Line 5 & 7. This pipeline will be used concurrently with the Bonanza 1023-5C, Bonanza 1023-5K, Bonanza 1023-5B and Bonanza 1023-5H pads.

LIQUID GATHERING

The total liquid gathering pipeline distance from the separator to the tie in point is ±5,450' and the individual segments are broken up as follows:

The following segments are "onlease", no ROW needed.

±570' (0.11 miles) – Section 5 T10S R23E (NW/4 NW/4) – On-lease UTU33433, BLM surface, New 6" buried liquid gathering pipeline from the separator to the edge of the pad. Please refer to Topo D2-Pad and Pipeline Detail.

±1,520' (0.29 miles) – Section 5 T10S R23E (NW/4 NW/4) – On-lease UTU33433, BLM surface, New 6" buried liquid gathering pipeline from the edge of the pad to the 1023-5C intersection. Please refer to Topo D and Exhibit B, Line 4.

±1,340' (0.25 miles) – Section 5 T10S R23E (SE/2 NW/4) – On-lease UTU33433, BLM surface, New 6" buried liquid gathering pipeline from the 1023-5C intersection to the 1023-5K intersection. Please refer to Exhibit B, Line 5. This pipeline will be used concurrently with the Bonanza 1023-5C pad.

±120' (0.02 miles) – Section 5 T10S R23E (SW/2 NE/4) – On-lease UTU33433, BLM surface, New 6" buried liquid gathering pipeline from the 1023-5K intersection to the 1023-5B intersection. Please Exhibit B, Line 6. This pipeline will be used concurrently with the Bonanza 1023-5C and Bonanza 1023-5K pads.

±1,830' (0.35 miles) – Section 5 T10S R23E (SW/4 NE/4) – On-lease UTU33433, BLM surface, New 6" buried liquid gathering pipeline from the main road intersection traveling Southeast to the tie-in point. Please refer Exhibit B, Line 7. This pipeline will be used concurrently with the Bonanza 1023-5C, Bonanza 1023-5K and Bonanza 1023-5B pads.

±70' (0.01 miles) – Section 5 T10S R23E (NE/4 SE/4) – On-lease UTU33433, BLM surface, New 6" buried liquid gathering pipeline from the tie-in point to the compressor site. Please refer to Exhibit B, Line 8. This pipeline will be used concurrently with the Bonanza 1023-5C, Bonanza 1023-5K, Bonanza 1023-5B and Bonanza 1023-5H pads.

Pipeline Gathering Construction

Gathering (pipeline) infrastructure will be utilized to collect and transport gas and fluids from the wells which are owned and operated by Kerr McGee. Gas gathering pipeline(s,) gas lift, or liquids pipelines may be constructed to lie on the surface or be buried. Where the pipeline is adjacent to the road or well pad, the road and/or well pad will be utilized for construction activities and staging. The area of disturbance during construction from the edge of road or well pad will typically be 30' in width. Where pipelines run cross country, the width of disturbance will typically be 45 ft for buried lines and 30 ft for surface lines. In addition, Kerr-McGee requests for a permanent 30' distrubance width that will be maintained for the portion adjacent to the road. The need for the 30' permanent distrubance width is for maintenance and repairs. Cross country permanent distrubance width also are required to be 30ft.

Above-ground installation will generally not require clearing of vegetation or blading of the surface, except where safety considerations necessitate earthwork. In some surface pipeline installation instances pipe cannot be constructed where it will lay. In these cases where an above-ground pipeline is constructed parallel and adjacent to a road, it will be welded/fused on the road and then lifted from the road to the pipeline route. In other cases where a pipeline route is not

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parallel and adjacent to a road (cross-country between sites), it will be welded/fused in place at a well pad, access road, or designated work area and pulled between connection locations with a suitable piece of equipment.

Buried pipelines will generally be installed parallel and adjacent to existing and/or newly constructed roads and within the permitted disturbance corridor. Buried pipelines may vary from 2 inches (typically fuel gas lines) to 24 inches (typically transportation lines) in diameter, but 6 to 16 inches is typical for a buried gas line. The diameter of liquids pipelines may vary from 2 inches to 12 inches, but 6 inches is the typical diameter. Gas lift lines may vary from 2 to 12 inches in diameter, but 6-inch diameter pipes are generally used for gas lift. If two or more pipelines are present (gas gathering, gas lift, and fluids), they will share a common trench where possible.

Typically, to install a buried pipeline, topsoil will be removed, windrowed and placed on the non-working side of the route for later reclamation. Because working room is limited, the spoil may be spread out across the working side and construction will take place on the spoil. The working side of the corridor will be used for pipe stringing, bending, welding and equipment travel. Small areas on the working side displaying ruts or uneven ground will be groomed to facilitate the safe passage of equipment. After the pipelines are installed, spoil will be placed back into the trench, and the topsoil will be redistributed over the disturbed corridor prior to final reclamation. Typical depth of the trench will be 6 feet, but depths may vary according to site-specific conditions (presence of bedrock, etc.). The proposed trench width for the pipeline would range from 18-48 inches.

The pipeline will be welded along the proposed route and lowered into place. Trenching equipment will cut through the soil or into the bedrock and create good backfill, eliminating the need to remove large rocks. The proposed buried pipeline will be visually and radiographically inspected and the entire pipeline will be pneumatically or hydrostatically tested before being placed into service. Routine vehicle traffic will be prevented from using pipeline routes as travel ways by posting signs at the route's intersection with an access road.

The liquid gathering lines will be made of polyethylene or a composite polyethylene/steel or polyethylene/fiberglass that is not subject to internal or external pipe corrosion. The content of the produced fluids to be transferred by the liquid gathering system will be approximately 92% produced water and 8% condensate. Trunk line valve connections for the water gathering system will be below ground but accessible from the surface in order to prevent freezing during winter time.

If pipelines or roads encounter a drainage that could be subject to flooding or surface water during extreme precipitation events, Kerr-McGee will apply all applicable Army Corps mandates as well as the BLM's Hydraulic Considerations for Pipeline Crossings of Stream Channels (BLM Technical Note 423, April 2007). In addition, all stream and drainage crossings will be evaluated to determine the need for stream alteration permits from the State of Utah Division of Water Rights and if necessary, required permits will be secured. Similarly, where a road or pipeline crossing exists the pipe will be butt welded and buried to a depth between 24 and 48 inches or more. Dirt roads will be cut and restored to a condition equivalent to the existing condition. All Uintah County road encroachment and crossing permits, where applicable, will be obtained prior to crossing construction. In no case will pressure testing of pipelines result in discharge of liquids to the surface.

Pipeline signs will be installed along the route to indicate the pipeline proximity, ownership, and to provide emergency contact phone numbers. Above ground valves and lateral T's will be installed at various locations for production integrity and safety purposes.

Upon completion of the proposed buried pipeline, the entire area of disturbance will be reclaimed to the standards proposed in the Green River District Reclamation Guidelines. Please refer to section J for more details regarding final reclamation.

When no longer deemed necessary by the operator, Kerr-McGee or it's successor will consult with the BLM, Vernal Field Office before terminating of the use of the pipeline(s).

The Anadarko Completions Transportation System (ACTS) information:

Please refer to Exhibit C for ACTs Lines

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Kerr-McGee will use either a closed loop drilling system that will require one pit and one storage area to be constructed on the drilling pad or a traditional drilling operation with one pit. The storage area will be used to contain only the de-watered drill cuttings and will be lined and reclaimed according to traditional pit closure standards. The pit will be constructed to allow for completion operations. The completion operations pit is lined and will be used for the wells drilled on the pad or used as part of our Anadarko Completions Transportation (ACTS) system which is disussed in more detail below. Using the closed loop drilling system will allow Kerr-McGee to decrease the amount of disturbance/footprint on location compared to a single large drilling/completion pit.

If Kerr-McGee does not use a closed loop system, it will construct a drilling reserve pit to contain drill cuttings and for use in completion operations. Depending on the location of the pit, its relation to future drilling locations, the reserve/completion pit will be utilized for the completion of the wells on that pad and/or be used as part of our ACTS system.

Kerr-McGee will use ACTS to optimize the completion processes for multiple pads across the project area which may include up to a section of development. ACTS will facilitate management of frac fluids by utilizing existing reserve pits and temporary, surface-laid aluminum liquids transfer lines between frac locations. The pit will be refurbished as follows when a traditional drill pit is used: mix and pile up drill cuttings with dry dirt, bury the original liner in the pit, walk bottom of pit with cat. Kerr-McGee will reline the pit with a 30 mil liner and double felt padding. The refurbished pit will be the same size or smaller as specified in the originally approved ROW/APD. The pit refurb will be done in a normal procedure and there will be no modification to the pit.

All four sides of the completions pit will be fenced in according to standard pit fencing procedures. Netting will be installed over all pits.

The collected hydrocarbons will be treated and sold at approved sales facilities. A loading rack with drip containment will also be installed where water trucks would unload and load to prevent damage caused from pulling hoses in and out of the pit .

ACTS will require temporarily laying multiple 6” aluminum water transfer lines on the surface between either existing or refurbished reserve pits. Please see the attached ACTS exhibit C for placement of the proposed temporary lines. The temporary aluminum transfer lines will be utilized to transport frac fluid being injected and/or recovered during the completion process and will be laid adjacent to existing access roads or pipeline corridors. Upon completion of the frac operation, the liquids transfer lines will be flushed with fresh water and purged with compressed air. The contents of the transfer lines will be flushed into a water truck for delivery to another ACTS location or a reserve pit.

The volume of frac fluid transported through a water transfer line will vary, but volume is projected to be approximately 1.75 bbls per 50-foot joint. Although the maximum working pressure is 125 psig, the liquids transfer lines will be operated at a pressure of approximately 30 to 40 psig. Kerr-McGee requests to keep the netted pit open for one year from first production of the first produced well on the pad. During this time the surrounding well location completion fluids may be recycled in this pit and utilized for other frac jobs in the area. After one year Kerr-McGee will backfill the pit and reclaim. If the pit is not needed for an entire year it will be backfilled and reclaimed earlier. Kerr-McGee understands that due to the temporary nature of this system, BLM considers this a casual use situation; therefore, no permanent ROW or temporary use plan will need to be issued by the BLM.

E. Location and Types of Water Supply:

Water for drilling and completion operations will be obtained from the following sources:

Permit # 49-2307	JD Field Services	Green River- Section 15, T2N, R22E
Permit # 49-2321	R.N. Industries	White River- Section 2, T10S, R24E
Permit # 49-2319	R.N. Industries	White River- Various Sources
Permit # 49-2320	R.N. Industries	Green River- Section 33, T8S, R23E

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

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F. Construction Materials:

Construction operations will typically be completed with native materials found on location. Construction materials that must be imported to the site (mineral material aggregate, soils or materials suitable for fill/surfacing) will be obtained from a nearby permitted source (described in site-specific documents). No construction materials will be removed from federal lands without prior approval from the BLM. A source location other than an on-location construction site will be designated either via a map or narrative within the project specific materials provided to the BLM.

G. Methods for Handling Waste:

All wastes subject to regulation will be handled in compliance with applicable laws to minimize the potential for leaks or spills to the environment. Kerr-McGee also maintains a Spill Control and Countermeasure Plan, which includes notification requirements, including the BLM, for all reportable spills of oil, produced liquids, and hazardous materials.

Any accidental release, such as a leak or spill in excess of the reportable quantity, as established by 40 CFR Part 117.3, will be reported as per the requirements of CERCLA, Section 102 B. If a release involves petroleum hydrocarbons or produced liquids, Kerr-McGee will comply with the notification requirements of NTL-3A. Drill cuttings and/or drilling fluids will be contained in the reserve/frac pit whether a closed loop system is used or not. Cuttings will be buried in pit(s) upon closure. Unless specifically approved by the BLM, no oil or other oil-based drilling additives, chromium/metals-based, or saline muds will be used during drilling. Only fresh water (as specified above), biodegradable polymer soap, bentonite clay, and/or non-toxic additives will be used in the mud system.

Pits will be constructed to minimize the accumulation of surface precipitation runoff into the pit (via appropriate placement of subsoil storage areas and/or construction of berms, ditches, etc). Should unexpected liquid petroleum hydrocarbons (crude oil or condensate) be encountered during drilling, completions or well testing, liquid petroleum hydrocarbons will either be contained in test tanks on the well site or evacuated by vacuum trucks and transported to an approved disposal/ sales facility. Should petroleum hydrocarbons unexpectedly be released into a pit, they will be removed as soon as practical but in no case will they remain longer than 72 hours unless an alternate is approved by the BLM. Should timely removal not be feasible, the pit will be netted as soon as practical. Similarly, hydrocarbon removal will take place prior to the closure of the pit, unless authorization is provided for disposal via alternate pit closure methods (e.g. solidification).

The reserve and/or fracture stimulation pit will be lined with an impermeable liner. The liner will be a synthetic material 30 mil or thicker. The bottom and side walls of the pit will be void of any sharp rocks that could puncture the liner. The liner will be installed over smooth fill subgrade that is free of pockets, loose rocks, or other materials (i.e. sand, sifted dirt, bentonite, straw, etc.) that could damage the liner. After evaporation and when dry, the reserve pit liners will be cut off, ripped and/or folded back (as safety considerations allow) as near to the mud surface as possible and buried on location or hauled to a landfill prior to backfilling the pit with a minimum of five feet of soil material.

Where necessary and if conditions (freeboard, etc.) allow, produced liquids from newly completed wells may be temporarily disposed of into pits for a period not to exceed 90 days as per Onshore Order Number 7 (OSO 7). Subsequently, permanent approved produced water disposal methods will be employed in accordance with OSO 7 and/or as described in a Water Management Plan (WMP). Otherwise, fluids disposal locations and associated haul routes, for ROW consideration, are typically depicted on Topo A of individual projects. Revisions to the water source or method of transportation will be subject to written approval from the BLM.

Any additional pits necessary for subsequent operations, such as temporary flare or workover pits, will be contained within the originally approved well pad and disturbance boundaries. Such temporary pits will be backfilled and reclaimed within 180 days of completion of work at a well location.

Pits containing drilling cuttings, mud, and/or completions fluids will be allowed to dry. Any free fluids remaining after one year from reaching total depth, date of completion, and/or determination of inactivity will be removed (as weather conditions

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allow) to an approved site and the pit reclaimed. Installation and operation of any sprinklers, pumps, and equipment will ensure that water spray or mist does not drift.

No garbage or non-exempt substances as defined by Resource Conservation and Recovery Act (RCRA) subtitle C will be placed in the reserve pit. All refuse (trash and other solid waste including cans, paper, cable, etc.) generated during construction, drilling, completion, and well testing activities will be contained in an enclosed receptacle, removed from the drill locations promptly, and transported to an approved disposal facility. Immediately after removal of the drilling rig, all debris and other waste materials not contained within trash receptacles will be collected and removed from the well location.

For the protection of livestock and wildlife, all open pits (excluding flare pits) will be fenced to prevent wildlife or livestock entry. Total height of pit fencing will be at least 42 inches and corner posts will be cemented and/or braced in such a manner as to keep the fence tight at all times. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet. Siphons, catchments, and absorbent pads will be installed to keep hydrocarbons produced by the drilling rig or other equipment on location from entering the reserve pit. Hydrocarbons, contaminated pads, and/or soils will be disposed of in accordance with state and federal requirements.

Portable, self-contained chemical toilets and/or sewage processing facilities will be provided for human waste disposal. Upon completion of operations, or as required, the toilet holding tanks will be pumped and the contents disposed of in an approved sewage disposal facility. All applicable regulations pertaining to disposal of human and solid waste will be observed.

Materials Management

Hazardous materials above reportable quantities will not be produced by drilling or completing proposed wells or constructing the pipelines/facilities. The term “hazardous materials” as used here means: (1) any substance, pollutant, or containment listed as hazardous under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended 42 U.S.C. 9601 et seq., and the regulations issued under CERCLA; and (2) any hazardous waste as defined in RCRA of 1976, as amended. In addition, no extremely hazardous substance, as defined in 40 CFR 355, in threshold planning quantities, would be used, produced, stored, transported, or disposed of while producing any well.

Hazardous materials may be contained in some grease or lubricants, solvents, acids, paint, and herbicides, among others as defined above. Kerr-McGee maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances that are used during the course of construction, drilling, completion, and production operations for this project. The transport, use, storage and handling of hazardous materials will follow procedures specified by federal and state regulations. Transportation of hazardous materials to the well location is regulated by the Department of Transportation (DOT) under 49 CFR, Parts 171-180. DOT regulations pertain to the packing, container handling, labeling, vehicle placarding, and other safety aspects.

Potentially hazardous materials used in the development or operation of wells will be kept in limited quantities on well sites and at the production facilities for short periods of time. Chemicals meeting the criteria for being an acutely hazardous material/substance or meet the quantities criteria per BLM Instruction Memorandum No. 93-344 will not be used.

Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act (SARA) in quantities of 10,000 pounds or more may be produced and/or stored at production facilities (crude oil/condensate, produced water). They may also be kept in limited quantities on drilling sites (barite, diesel fuel, cement, cottonseed hulls etc.) for short periods of time during drilling or completion activities.

Fluids disposal and pipeline/haul routes are depicted on Topo Map A.

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Any produced water separated from recoverable condensate from the proposed well will be contained in a water tank and will then be transported by pipeline and/or truck to one of the pre-approved disposal sites:

RNI in Sec. 5 T9S R22E
NBU #159 in Sec. 35 T9S R21E
Ace Oilfield in Sec. 2 T6S R20E
MC&MC in Sec. 12 T6S R19E
Pipeline Facility in Sec. 36 T9S R20E
Goat Pasture Evaporation Pond in SW/4 Sec. 16 T10S R22E
Bonanza Evaporation Pond in Sec. 2 T10S R23E

Or to one of the following Kerr-McGee active Salt Water Disposal (SWD) wells:

NBU 159 SWD in Sec. 35 T9S R21E
CIGE 112D SWD in Sec. 19 T9S R21E
CIGE 114 SWD in Sec. 34 T9S R21E
NBU 921-34K SWD in Sec. 34 T9S R21E
NBU 921-33F SWD in Sec. 34 T9S R21E

H. Ancillary Facilities:

No additional ancillary facilities are planned for this location.

I. Well Site Layout:

The location, orientation and aerial extent of each drill pad, reserve/completion/flare pit (for closed loop or non-closed loop operations), access road ingress/egress points, drilling rig, dikes/ditches, existing wells/infrastructure, proposed cuts and fills, and topsoil and spoil material stockpile locations are depicted on the exhibits for each project, where applicable. Site-specific conditions may require slight deviation in actual equipment depending on whether a closed loop system is used. Surface distance may be less if using closed loop. But in either case, the area of distrubance will not exceed the maximum disturbance outlined in the attached exhibits.

For the protection of livestock and wildlife, all open pits and cellars will be fenced to prevent wildlife or livestock entry. Total height of pit fencing will be at least 42 inches and corner posts will be cemented and/or braced in such a manner as to keep the fence tight at all times. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

Each well will utilize either a centralized tank battery, centralized fluids management system, or have tanks installed on its pad. Production/ Produced Liquid tanks will be constructed, maintained, and operated to prevent unauthorized surface or subsurface discharges of liquids and to prevent livestock or wildlife entry. The tanks will be kept reasonably free from surface accumulations of liquid hydrocarbons. The tanks are not to be used for disposal of liquids from additional sources without prior approval of BLM.

J. Plans for Surface Reclamation:

The surface reclamation will be undertaken in two phases: interim and final. Interim reclamation is conducted following well completion and extends through the period of production. Interim reclamation is for the area of the well pad that is not required for production activities. Final reclamation is conducted following well plugging/conversion and/or facility abandonment processes.

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Reclamation activities in both phases may include but is not limited to the re-contouring or re-configuration of topographic surfaces, restoration of drainage systems, segregation of spoils materials, minimizing surface disturbance, re-evaluating backfill requirements, pit closure, topsoil redistribution, soil treatments, seeding and weed control.

Interim Reclamation

Interim reclamation may include pit evaporation, fluid removal, pit solidification, re-contouring, ripping, spreading top soil, seeding, and/or weed control. Interim reclamation will be performed in accordance with OSO 1, or written notification will be provided to the BLM for approval. Where feasible, drilling locations, reserve pits, or access routes not utilized for production operations will be re-contoured to a natural appearance.

Interim re-contouring involves bringing all construction material from cuts and fills back onto the well pad and site and reestablishing the natural contours where desirable and practical. Fill and stockpiled spoils no longer necessary to the operation will be spread on the cut slopes and covered with stockpiled topsoil. All stockpiled top soils will be used for interim reclamation where practical to maintain soil viability. Where possible, the land surface will be left “rough” after re-contouring to ensure that the maximum surface area will be available to support the reestablishment of vegetative cover.

A reserve pit, upon being allowed to dry, will be backfilled and compacted with cover materials that are void of any topsoil, vegetation, large stones, rocks or foreign objects. Soils that are moisture laden, saturated, or partially/completely frozen will not be used for backfill or cover. The pit area will be mounded to allow for settling and to promote positive surface drainage away from the pit. Disposal of pit fluids and linings is discussed in Section G.

Final Reclamation

Final reclamation will be performed for unproductive wells and after the end of the life of a productive well. As soon as practical after the conclusion of drilling and testing operations, unproductive drill holes will be plugged and abandoned (P&A). Site and road reclamation will commence following plugging. In no case will reclamation at non-producing locations be initiated later than six (6) months from the date a well is plugged. A joint inspection of the disturbed area to be reclaimed may be requested by Kerr-McGee. The primary purpose of this inspection will be to review the existing conditions, or agree upon a revised final reclamation and abandonment plan. The BLM will be notified prior to commencement of reclamation operations. A Notice of Intent to Abandon will be filed for final recommendations regarding surface reclamation.

After plugging, all wellhead equipment that is no longer needed will be removed, and the well site will be reclaimed. Final contouring will blend with and follow as closely as practical the natural terrain and contours of the original site and surrounding areas. After re-contouring the site to the approximate contour that existed prior to pad construction, final grading will be conducted over the entire surface of the well site and access road. The area will be ripped to a depth of 18 to 24 inches on 18 to 24-inch centers, where practical. The surface soil material will be pitted with small depressions to form longitudinal depressions 12 to 18 inches deep, where practical. The entire area will be uniformly covered with the depressions constructed perpendicular to the natural flow of water.

Reclamation of roads will be performed at the discretion of the BLM. All unnecessary surface equipment and structures (e.g. cattle guards) and water control structures (e.g. culverts, drainage pipes) not needed to facilitate successful reclamation will be removed during final reclamation. Roads that will be reclaimed will be ripped to a depth of 18 inches where practical, re-contoured to approximate the original contour of the ground and seeded in accordance with the seeding specifications of the BLM.

Upon successfully completing reclamation of a P&A location, a Final Abandonment Notice will be submitted to the BLM.

Measures Common to Interim and Final Reclamation

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Soil preparation will be conducted using a disk for areas in need of more soil preparation following site preparation. This will provide primary soil tillage to a depth no greater than 6 inches. Prior to reseeding, compacted areas will be scarified by ripping or chiseling to loosen compacted soils, promote water infiltration, and improve soil aeration and root penetration.

Seeding will occur year-round as conditions allow and will typically be accomplished through the use of a no-till rangeland style seed drill with a "picker box" in order to seed "fluffy" seed. Where drill seeding is not the preferred method, seed will be broadcast and then raked into the ground at double the rate of drill seeding. Seed mixes appropriate to the native plant community as determined and specified for each project location based on the site specific soils will be used for re-vegetation. The seed mixes will be selected from a list provided by or approved by the BLM, or a specific seed mix will be proposed by Kerr-McGee to the BLM and used after its approval. The selected specific seed mix for each well location and road segment will be utilized while performing interim and final reclamation for each project. All seed will be certified and tags will be maintained by Kerr-McGee. Every effort will be made to obtain "cheat grass free seed".

Seed Mix to be used for Well Site, Access Road, and Pipeline (as applicable):

Bonanza Area Mix	**Pure Live Seed lbs/acre**
Crested Wheat (Hycrest)	2
Bottlebrush Squirreltail	1
Western Wheatgrass	1
Indian Ricegrass	1
Fourwing Saltbush	2
Shadscale	2
Forage Kochia	0.25
Rocky Mountain Bee	0.5
Total	9.75

Additional soil amendments and/or stabilization may be required on sites with poor soils and/or excessive erosion potential. Where severe erosion can become a problem and/or the use of machinery is not practical, seed will be hand broadcast and raked with twice the specified amount of seed. Slopes will be stabilized using materials specifically designed to prevent erosion on steep slopes and hold seed in place so vegetation can become permanently established. These materials will include, but are not limited to: erosion control blankets, hydro-mulch, and/or bonded fiber matrix at a rate to achieve a minimum of 80 percent soil coverage. Soil amendments such as "Sustain" (an organic fertilizer that will be applied at the rate 1,800 – 2,100 lbs/acre with seed) may also be dry broadcast or applied with hydro-seeding equipment.

Weed Control

All weed management will be done in accordance with the Vernal BLM Surface Disturbance Weed Policy. Noxious weeds will be controlled, as applicable, on project areas. Monitoring and management of noxious and/or invasive weeds of concern will be completed annually until the project is deemed successfully reclaimed by the surface management agency and/or owner according to the Anadarko Integrated Weed Management Plan. Noxious weed infestations will be mapped using a GPS unit and submitted to the BLM with information required in the Vernal BLM Surface Disturbance Weed Policy. If herbicide is to be applied it will be done according to an approved Pesticide Use Permit (PUP), inclusive of applicable locations. All pesticide applications will be recorded using a Pesticide Application Record (PAR) and will be submitted along with a Pesticide Use Report (PUR) annually prior to Dec. 31.

Monitoring

Monitoring of reclaimed project areas will be completed annually during the growing season and actions to ensure reclamation success will be taken as needed. During the first two growing seasons an ocular methodology will be used to determine the success of the reclamation activities. During the 3rd growing season a 200 point line intercept (quantitative) methodology will be used to obtain basal cover. The goal is to have the reclaimed area reach 30% basal cover when

RECEIVED: October 14, 2011

compared to the reference site. If after three growing seasons the area has not reached 30% basal cover, additional reclamation activities may be necessary. Monitoring will continue until the reclaimed area reaches 75% basal cover of desirable vegetation when compared to the reference site. (Green River District Reclamation Guidelines)

All monitoring reports will be submitted electronically to the Vernal BLM in the form of a geo-database no later than March 1st of the calendar year following the data collection.

K. Surface/Mineral Ownership:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

L. Other Information:

Onsite Specifics:

- Construction: 30 Mil Double Felt
- Facilities: Will be painted Shadow Grey
- Top Soil: Need to save 4" topsoil and will be move and put around the corner
- Will need separate condensate tanks because BHL for Bonanza 1023-6A1CS crosses CA boundary.

Cultural and Paleontological Resources

All personnel are strictly prohibited from collecting artifacts, any paleontological specimens or fossils, and from disturbing any significant cultural resources in the area. If artifacts, fossils, or any culturally sensitive materials are exposed or identified in the area of construction, all construction operations that would affect the newly discovered resource will cease, and Kerr-McGee will provide immediate notification to the BLM.

Resource Reports:

A Class I literature survey was completed on April 23, 2010 by Montgomery Archaeological Consultants, Inc (MOAC). For additional details please refer to report MOAC 10-056.

A paleontological reconnaissance survey was completed on May 13, 2010 by SWCA Environmental Consultants. For additional details please refer to report UT10-14314-11.

Biological field survey was completed on August 20, 2010 by Grasslands Consulting, Inc (GCI). For additional details please refer to report GCI-203.

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Proposed Action Annual Emissions Tables:

Table 1: Proposed Action Annual Emissions (tons/year)[1]

Pollutant	Development	Production	Total
NOx	3.8	0.12	3.92
CO	2.2	0.11	2.31
VOC	0.1	4.9	5
SO_2	0.005	0.0043	0.0093
PM_{10}	1.7	0.11	1.81
$PM_{2.5}$	0.4	0.025	0.425
Benzene	2.2E-03	0.044	0.046
Toluene	1.6E-03	0.103	0.105
Ethylbenzene	3.4E-04	0.005	0.005
Xylene	1.1E-03	0.076	0.077
n-Hexane	1.7E-04	0.145	0.145
Formaldehyde	1.3E-02	8.64E-05	1.31E-02

[1] Emissions include 1 producing well and associated operations traffic during the year in which the project is developed

Table 2: Proposed Action versus 2012 WRAP Phase III Emissions Inventory Comparison

Species	Proposed Action Production Emissions (ton/yr)	2012 Uintah Basin Emission Inventory[a] (ton/yr)	Percentage of Proposed Action to WRAP Phase III
NOx	19.6	16,547	0.12%
VOC	25	127,495	0.02%

[a] http://www.wrapair.org/forums/ogwg/PhaseIII_Inventory.html Uintah Basin Data

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M. Lessee's or Operators' Representative & Certification:

Gina T. Becker
Regulatory Analyst II
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6086

Tommy Thompson
General Manager, Drilling
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6724

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Gina T.Becker

October 14, 2011
Date

Joseph D. Johnson
LANDMAN

Kerr-McGee Oil & Gas Onshore LP
P.O. Box 173779
Denver, CO 80217-3779

June 8, 2011

Ms. Diana Mason
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-6100

Re: Exception Location R649-3-3 and Directional Drilling R649-3-11
Bonanza 1023-6A1CS
T10S- R23E
Section 5: NWNW (surface)
534' FNL, 481' FWL (surface)
Section 6: NENE (bottom hole)
361' FNL, 506' FEL (bottom hole)
Uintah County, Utah

Dear Ms. Mason:

Pursuant to the filing of Kerr-McGee Oil & Gas Onshore LP's (Kerr-McGee) Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-3 and Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- Kerr-McGee's Bonanza 1023-6A1CS is located within the area covered by Docket No. 2008-011 authorizing the equivalent of an approximate 10-acre well density pattern, and requiring approval for wells drilled at an exception location and wells drilled directionally in accordance with the referenced rules.

- Kerr-McGee is permitting this well at this location for geological reasons. Locating the well at the surface location and directionally drilling from this location, Kerr-McGee will be able to minimize surface disturbance.

- Furthermore, Kerr-McGee certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Therefore, based on the above stated information Kerr-McGee Oil & Gas Onshore LP requests the permit be granted pursuant to Rule R6493-3 and Rule R649-3-11.

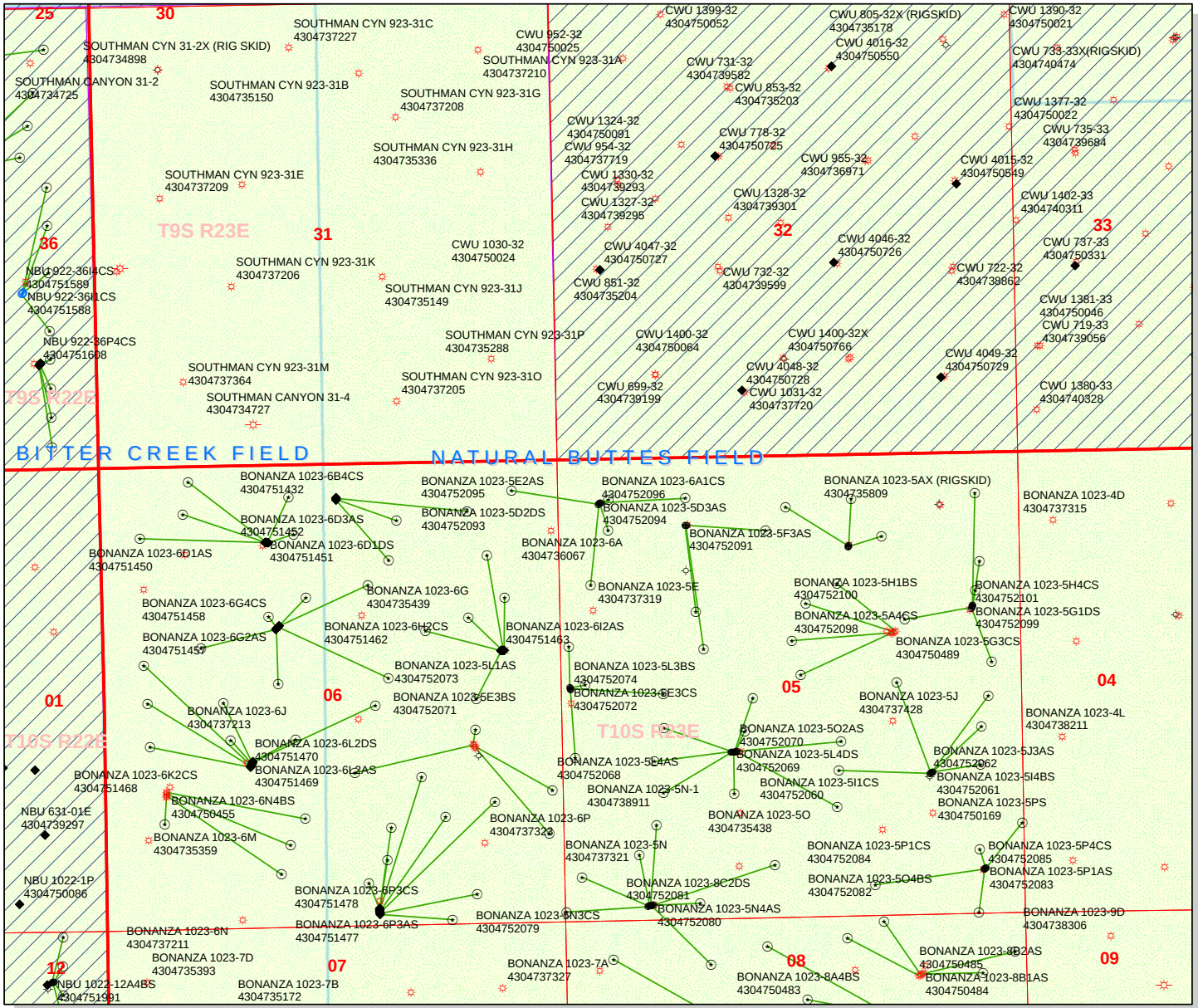
Sincerely,

KERR-MCGEE OIL & GAS ONSHORE LP

Joseph D. Johnson
Landman

RECEIVED: October 14, 2011

API Well Number: 43047520960000



API Number: 4304752096

Well Name: BONANZA 1023-6A1CS

Township T1.0 . Range R2.3 . Section 05

Meridian: SLBM

Operator: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields
STATUS
- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED

Wells Query
Status
- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LA - Location Abandoned
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- RET - Returned APD
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well

1,500 750 0 1,500 Feet

1:14,184

RECEIVED: October 26, 2011

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/14/2011 **API NO. ASSIGNED:** 43047520960000
WELL NAME: BONANZA 1023-6A1CS
OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995) **PHONE NUMBER:** 720 929-6086
CONTACT: Gina Becker

PROPOSED LOCATION: NWNW 05 100S 230E **Permit Tech Review:** ✔

SURFACE: 0534 FNL 0481 FWL **Engineering Review:** ✔

BOTTOM: 0361 FNL 0506 FEL **Geology Review:** ✔

COUNTY: UINTAH
LATITUDE: 39.98382 **LONGITUDE:** -109.35848
UTM SURF EASTINGS: 640156.00 **NORTHINGS:** 4427252.00
FIELD NAME: NATURAL BUTTES
LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU33433 **PROPOSED PRODUCING FORMATION(S):** WASATCH-MESA VERDE
SURFACE OWNER: 1 - Federal **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ✔ **PLAT**
- ✔ **Bond:** FEDERAL - WYB000291
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ✔ **Water Permit:** 43-8496
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ✔ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ✔ **R649-3-3. Exception**
- ✔ **Drilling Unit**

Board Cause No: Cause 179-14
Effective Date: 6/12/2008
Siting: 460' Fr Ext Drl Unit Boundary

- ✔ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
1 - Exception Location - dmason
3 - Commingling - ddoucet
4 - Federal Approval - dmason
15 - Directional - dmason

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GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: BONANZA 1023-6A1CS
API Well Number: 43047520960000
Lease Number: UTU33433
Surface Owner: FEDERAL
Approval Date: 10/26/2011

Issued to:
KERR-MCGEE OIL & GAS ONSHORE, L.P., P.O. Box 173779, Denver, CO 80217

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 179-14. The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:
Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

Commingle:
In accordance with Board Cause No. 179-14, commingling of the production from the Wasatch formation and the Mesaverde formation in this well is allowed.

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Notification Requirements:

API Well No: 43047520960000

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at http://oilgas.ogm.utah.gov

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

Form 3160-3
(August 2007)

UDOGM

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JUL 22 2011
BLM

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU33433

6. If Indian, Allottee or Tribe Name

1a. Type of Work: ☒ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.
CA-60768 CR-3

1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

8. Lease Name and Well No.
BONANZA 1023-6A1CS

2. Name of Operator
KERR-MCGEE OIL & GAS ONSHORE LP
Contact: GINA T BECKER
E-Mail: GINA.BECKER@ANADARKO.COM

9. API Well No.
43-047-52096

3a. Address
P.O. BOX 173779
DENVER, CO 80202-3779

3b. Phone No. (include area code)
Ph: 720-929-6086
Fx: 720-929-7086

10. Field and Pool, or Exploratory
BONANZA

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface NWNW Lot 4 534FNL 481FWL 39.983777 N Lat, 109.358410 W Lon

At proposed prod. zone NENE Lot 1 361FNL 506FEL 39.984251 N Lat, 109.361933 W Lon

11. Sec., T., R., M., or Blk. and Survey or Area
Sec 5 T10S R23E Mer SLB

14. Distance in miles and direction from nearest town or post office*
APPROXIMATELY 48 MILES SOUTHEAST OF VERNAL, UTAH

12. County or Parish
UINTAH

13. State
UT

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
361

16. No. of Acres in Lease
1923.00

17. Spacing Unit dedicated to this well

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.
621

19. Proposed Depth
8761 MD
8605 TVD

20. BLM/BIA Bond No. on file
WYB000291

21. Elevations (Show whether DF, KB, RT, GL, etc.
5242 GL

22. Approximate date work will start
12/31/2011

23. Estimated duration
60-90 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature
(Electronic Submission)

Name (Printed/Typed)
GINA T BECKER Ph: 720-929-6086

Date
07/08/2011

Title
REGULATORY ANALYST II

Approved by (Signature)

Name (Printed/Typed)
Jerry Kenczka

Date
MAR 02 2012

Title
Assistant Field Manager
Lands & Mineral Resources

Office
VERNAL FIELD OFFICE

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

NOTICE OF APPROVAL

Electronic Submission #112589 verified by the BLM Well Information System
For KERR-MCGEE OIL & GAS ONSHORE, sent to the Vernal

RECEIVED
MAR 14 2012
DIV. OF OIL, GAS & MINING

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-440(

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Kerr McGee Oil & Gas Onshore, LP**	**Location:**	**Lot 4, Sec. 5, T10S, R23E (S) Lot 1, Sec. 6, T10S, R23E (B)**
Well No:	**Bonanza 1023-6A1CS**	**Lease No:**	**UTU-33433**
API No:	**43-047-52096**	**Agreement:**	**CA UTU-74473**

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.

- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC COAs

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horse power must not emit more than 2 grams of NOx per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower-hour.

- All new and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gram of NOx per horsepower-hour.

- Construction or drilling is not allowed for the Bonanza 1023-5M and Bonanza 1023-5P pads from January 1 – August 31 to minimize impacts during golden eagle nesting.

- If it is anticipated that construction or drilling will occur during the given timing restriction, a BLM or qualified biologist shall be notified to conduct surveys for raptors. Depending upon the results of the surveys, permission to proceed may or may not be granted by the Authorized Officer.

- All reclamation will comply with the Green River Reclamation Guidelines

- All vehicles and equipment shall be cleaned either through power-washing, or other approved method, if the vehicles or equipment were previously operated outside the Uinta Basin, to prevent weed seed introduction.

- All disturbance areas shall be monitored for noxious weeds annually, for a minimum of three growing seasons following completion of project or until desirable vegetation is established

- Noxious and invasive weeds will be controlled throughout the area of project disturbance.

- Noxious weeds will be inventoried and reported to BLM in the annual reclamation report. Where an integrated pest management program is applicable, coordination has been undertaken with the state and local management program (if existing). A copy of the pest management plan will be submitted for each project.

- A pesticide use permit (PUP) will be obtained for the project, if applicable.

- A permitted paleontologist is to be present to monitor construction at well pads 1023-5C, 5D, 5K, 5L, 5M and 5P during all surface disturbing actives: examples include the following building of the well pad, access road, and pipelines.

- The best method to avoid entrainment is to pump from an off-channel location – one that does not connect to the river during high spring flows. An infiltration gallery constructed in a BLM and Service approved location is best.

- If the pump head is located in the river channel where larval fish are known to occur, the following measures apply:
    a. do not situate the pump in a low-flow or no-flow area as these habitats tend to concentrate larval fishes;
    b. limit the amount of pumping, to the greatest extent possible, during that period of the year when larval fish may be present (April 1 to August 31); and
    c. limit the amount of pumping, to the greatest extent possible, during the pre-dawn hours as larval drift studies indicate that this is a period of greatest daily activity.
- Screen all pump intakes with 3/32" mesh material.

- Approach velocities for intake structures will follow the National Marine Fisheries Service's document "Fish Screening Criteria for Anadromous Salmonids". For projects with an in-stream intake that operate in stream reaches where larval fish may be present, the approach velocity will not exceed 0.33 feet per second (ft/s).

- Report any fish impinged on the intake screen to the Service (801.975.3330) and the Utah Division of Wildlife Resources:
    Northeastern Region
    152 East 100 North, Vernal, UT 84078
    Phone: (435) 781-9453

- Discovery Stipulation: Re-initiation of section 7 consultation with the USFWS will be sought immediately if any loss of plants or occupied habitat for Pariette cactus or Uinta Basin hookless cactus is anticipated as a result of project activities.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DRILLING PLAN COA's:

1. Gamma ray log shall be run from Total Depth to Surface.

Variances Granted:

Air Drilling

- Properly lubricated and maintained rotating head. Variance granted to use a properly maintained and lubricated diverter bowl in place of a rotating head.
- Blooie line discharge 100' from the well bore. Variance granted for blooie line discharge to be 45' from the well bore.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for truck/trailer mounted air compressors located 40' from the well bore.
- In lieu of mud products on location, Kerr McGee will fill the reserve pit with water for the kill medium and will utilize a skid pump near the reserve pit to supply the water to the well bore if necessary.
- Automatic igniter. Variance granted for igniter, due to there being no productive formations encountered while air drilling.
- FIT test. Variance granted due to well known geology and problems that can occur with the FIT test.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.

- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned.

- Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

- No aggressive/fresh hard-banded drill pipe shall be used within casing.

- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.
    - Well name and number.
    - Well location (¼¼, Sec., Twn, Rng, and P.M.).
    - Date well was placed in a producing status (date of first production for which royalty will be paid).
    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
    - Unit agreement and/or participating area name and number, if applicable.
    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU33433

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
BONANZA 1023-6A1CS

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047520960000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6526

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 8/17/2012	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU TRIPLE A BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 CONDUCTOR PIPE. CEMENT WITH 28 SACKS READY MIX. SPUD WELL LOCATION ON AUGUST 17, 2012 AT 07:30 HRS.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
August 21, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jaime Scharnowske	720 929-6304	Regulartory Analyst
SIGNATURE		**DATE**
N/A		8/20/2012

SUBMIT AS EMAIL | Print Form

BLM - Vernal Field Office - Notification Form

Operator KERR-McGEE OIL & GAS Rig Name/# BUCKET RIG
Submitted By CARA MAHLER Phone Number 720.929.6029
Well Name/Number BONANZA 1023-6A1CS
Qtr/Qtr NWNW Section 5 Township 10S Range 23E
Lease Serial Number UTU33433
API Number 4304752096

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 08/16/2012 07:00 HRS AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☑ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 08/24/2012 08:00 HRS AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

RECEIVED
AUG 15 2012
DIV. OF OIL, GAS & MINING

Date/Time _____ _____ AM ☐ PM ☐

Remarks ESTIMATED DATE AND TIME. PLEASE CONTACT KENNY GATHINGS AT 435.828.0986 OR LOVEL YOUNG AT 435.781.7051

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP

Operator Account Number: N 2995

Address: P.O. Box 173779

city DENVER

state CO zip 80217

Phone Number: (720) 929-6304

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304752095	Bonanza 1023-5E2AS		NWNW	5	10S	23E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	9999	18676	8/16/2012			8/20/2012	

Comments: MIRU TRIPLE A BUCKET RIG. SPUD WELL LOCATION ON 8/16/2012 AT 14:30 HRS. WSMVD BHL: SWNW

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304752096	Bonanza 1023-6A1CS		NWNW	5	10S	23E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	9999	18677	8/17/2012			8/20/2012	

Comments: MIRU TRIPLE A BUCKET RIG. SPUD WELL LOCATION ON 8/17/2012 AT 07:30 HRS. WSMVD BHL: SL None

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:

- **A** - Establish new entity for new well (single well only)
- **B** - Add new well to existing entity (group or unit well)
- **C** - Re-assign well from one existing entity to another existing entity
- **D** - Re-assign well from one existing entity to a new entity
- **E** - Other (Explain in 'comments' section)

RECEIVED
AUG 20 2012
of Oil, Gas & Mining

JAIME SCHARNOWSKE
Name (Please Print)

Signature

REGULATORY ANALYST
Title

8/20/2012
Date

(5/2000)

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU33433

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:
PONDEROSA

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
BONANZA 1023-6A1CS

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047520960000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6526

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 9/18/2012	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Operator requests approval for changes in the drilling plan. Specifically, the Operator requests approval for a FIT wavier, closed loop drilling option and a production casing change. The production casing change includes a switch from 4-1/2 inch I-80 11.6 LB BTC/LTC casing to 4-1/2 inch I-80 11.6 LB Ultra DQX/LTC casing. All other aspects of the previously approved drilling plan will not change. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: September 25, 2012

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Cara Mahler	720 929-6029	Regulatory Analyst I
SIGNATURE		**DATE**
N/A		9/18/2012

RECEIVED: Sep. 18, 2012

Requested Drilling Options:

Kerr-McGee will use either a closed loop drilling system that will require one pit and one cuttings storage area to be constructed on the drilling pad or a traditional drilling operation with one pit used for drilling and completion operations. The cuttings storage area will be used to contain only the de-watered drill cuttings and will be lined and bermed to prevent any liquid runoff. The drill cuttings will be buried in the completion pit once completion operations are completed according to traditional pit closure standards. The pit will be constructed to allow for completion operations. The completion operations pit will be lined with a synthetic material 20 mil or thicker and will be used for the completing of the wells on the pad or used as part of our Aandarko Completions Transportation System (ACTS). Using the closed loop drilling system will allow Kerr-McGee to decrease the amount of disturbance/footprint on location compared to a single large drilling/completions pit.

If Kerr-McGee does not use a closed loop drilling system, it will construct a traditional drilling/completions pit to contain drill cuttings and for use in completion operations. The pit will be lined with a synthetic material 20 mil or thicker. The drill cuttings will be buried in the pit using traditional pit closure standards.

RECEIVED: Sep. 18, 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: UTU33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6A1CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047520960000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 10/1/2012	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

No Activity for the month of September 2012. Well TD at 2,498.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
October 02, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lindsey Frazier	720 929-6857	Regulatory Analyst II
SIGNATURE		**DATE**
N/A		10/1/2012

RECEIVED: Oct. 01, 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6A1CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047520960000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 11/5/2012	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

No Activity for the month of October 2012. Well TD at 2,509.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
November 06, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jaime Scharnowske	720 929-6304	Regulartory Analyst
SIGNATURE N/A		**DATE** 11/5/2012

RECEIVED: Nov. 05, 2012

BLM - Vernal Field Office - Notification Form

Operator KERR-MCGEE Rig Name/# XTREME 12
Submitted By JOE MADSEN Phone Number 435-828-0985
Well Name/Number BON 1023-6A1CS
Qtr/Qtr NW/NW Section 5 Township 10S Range 23E
Lease Serial Number UTU33433
API Number 43-047-520960000

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

☐ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time ___ __ AM ☐ PM ☐

RECEIVED
NOV 02 2012
DIV. OF OIL, GAS & MINING

BOPE

☒ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time 11/4/2012 06:00 AM ☒ PM ☐

Remarks _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU33433

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:
PONDEROSA

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
BONANZA 1023-6A1CS

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047520960000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6526

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 11/15/2012	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING TO 8,790.00' ON 11/12/2012. CEMENTED PRODUCTION CASING. RELEASED XTC 12 RIG ON 11/15/2012. DETAILS OF CASING AND CEMENT WILL BE INCLUDED WITH THE WELL COMPLETION REPORT. WELL IS WAITING ON FINAL COMPLETION ACTIVITIES

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
November 16, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lindsey Frazier	720 929-6857	Regulatory Analyst II
SIGNATURE		**DATE**
N/A		11/16/2012

RECEIVED: Nov. 16, 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: P.O. Box 173779
city DENVER
state CO zip 80217
Phone Number: (720) 929-6304

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
Various	Ponderosa Wells						UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
	18421	19519				5/1/2012	

Comments: Move the attached wells into the Ponderosa unit. All wells are WSMVD. 11/16/2012

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:

- **A** - Establish new entity for new well (single well only)
- **B** - Add new well to existing entity (group or unit well)
- **C** - Re-assign well from one existing entity to another existing entity
- **D** - Re-assign well from one existing entity to a new entity
- **E** - Other (Explain in 'comments' section)

JAIME SCHARNOWSKE
Name (Please Print)
Signature
REGULATORY ANALYST 11/8/2012
Title **Date**

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NOV 08 2012
Div. of Oil, Gas & Mining

(5/2000)

Well Name	Quarter/Quarter	Section	Township	Range	APUI Number	County	New Entity Number	Formation
BONANZA 1023-6J2AS	NESW	6	10S	23E	4304751465	Uintah	18519	WSMVD
BONANZA 1023-6K1CS	NESW	6	10S	23E	4304751466	Uintah	18519	WSMVD
BONANZA 1023-6K2BS	NESW	6	10S	23E	4304751467	Uintah	18519	WSMVD
BONANZA 1023-6K2CS	NESW	6	10S	23E	4304751468	Uintah	18519	WSMVD
BONANZA 1023-6L2AS	NESW	6	10S	23E	4304751469	Uintah	18519	WSMVD
BONANZA 1023-6L2DS	NESW	6	10S	23E	4304751470	Uintah	18519	WSMVD
BONANZA 1023-6O1BS	SWSE	6	10S	23E	4304751473	Uintah	18519	WSMVD
BONANZA 1023-6O2DS	SWSE	6	10S	23E	4304751474	Uintah	18519	WSMVD
BONANZA 1023-6O3AS	SWSE	6	10S	23E	4304751475	Uintah	18519	WSMVD
BONANZA 1023-6P2BS	SWSE	6	10S	23E	4304751476	Uintah	18519	WSMVD
BONANZA 1023-6P3CS	SWSE	6	10S	23E	4304751478	Uintah	18519	WSMVD
BONANZA 1023-5J2DS	NESW	5	10S	23E	4304752063	Uintah	18519	WSMVD
BONANZA 1023-5K1BS	NESW	5	10S	23E	4304752064	Uintah	18519	WSMVD
BONANZA 1023-5K1CS	NESW	5	10S	23E	4304752065	Uintah	18519	WSMVD
BONANZA 1023-5K3DS	NESW	5	10S	23E	4304752066	Uintah	18519	WSMVD
BONANZA 1023-5L1DS	NESW	5	10S	23E	4304752067	Uintah	18519	WSMVD
BONANZA 1023-5L4AS	NESW	5	10S	23E	4304752068	Uintah	18519	WSMVD
BONANZA 1023-5L4DS	NESW	5	10S	23E	4304752069	Uintah	18519	WSMVD
BONANZA 1023-5O2AS	NESW	5	10S	23E	4304752070	Uintah	18519	WSMVD
BONANZA 1023-5E3BS	SWNW	5	10S	23E	4304752071	Uintah	18519	WSMVD
BONANZA 1023-5E3CS	SWNW	5	10S	23E	4304752072	Uintah	18519	WSMVD
BONANZA 1023-5L1AS	SWNW	5	10S	23E	4304752073	Uintah	18519	WSMVD
BONANZA 1023-5L3BS	SWNW	5	10S	23E	4304752074	Uintah	18519	WSMVD
BONANZA 1023-5M1AS	SWSW	5	10S	23E	4304752075	Uintah	18519	WSMVD
BONANZA 1023-5M1CS	SWSW	5	10S	23E	4304752076	Uintah	18519	WSMVD
BONANZA 1023-5M3BS	SWSW	5	10S	23E	4304752077	Uintah	18519	WSMVD
BONANZA 1023-5M3CS	SWSW	5	10S	23E	4304752078	Uintah	18519	WSMVD
BONANZA 1023-5N3CS	SWSW	5	10S	23E	4304752079	Uintah	18519	WSMVD
BONANZA 1023-5O4BS	SESE	5	10S	23E	4304752082	Uintah	18519	WSMVD
BONANZA 1023-5P1AS	SESE	5	10S	23E	4304752083	Uintah	18519	WSMVD
BONANZA 1023-5P1CS	SESE	5	10S	23E	4304752084	Uintah	18519	WSMVD
BONANZA 1023-5P4CS	SESE	5	10S	23E	4304752085	Uintah	18519	WSMVD
BONANZA 1023-5C4AS	NENW	5	10S	23E	4304752089	Uintah	18519	WSMVD
BONANZA 1023-5F2CS	NENW	5	10S	23E	4304752090	Uintah	18519	WSMVD
BONANZA 1023-5F3AS	NENW	5	10S	23E	4304752091	Uintah	18519	WSMVD
BONANZA 1023-5C2CS	NWNW	5	10S	23E	4304752092	Uintah	18519	WSMVD
BONANZA 1023-5D2DS	NWNW	5	10S	23E	4304752093	Uintah	18519	WSMVD
BONANZA 1023-5D3AS	NWNW	5	10S	23E	4304752094	Uintah	18519	WSMVD
BONANZA 1023-5E2AS	NWNW	5	10S	23E	4304752095	Uintah	18519	WSMVD
BONANZA 1023-6A1CS	NWNW	5	10S	23E	4304752096	Uintah	18519	WSMVD
BONANZA 1023-6I3AS	SWNW	5	10S	23E	4304752387	Uintah	18519	WSMVD
BONANZA 11-2	SWNW	11	10S	23E	4304734773	Uintah	18519	WSMVD
BONANZA 1023-6E4AS	SENW	6	10S	23E	4304751453	Uintah	18519	WSMVD
BONANZA 1023-6F1AS	SENW	6	10S	23E	4304751454	Uintah	18519	WSMVD
BONANZA 1023-6F1CS	SENW	6	10S	23E	4304751455	Uintah	18519	WSMVD
BONANZA 1023-6F4CS	SENW	6	10S	23E	4304751456	Uintah	18519	WSMVD
BONANZA 1023-6G2AS	SENW	6	10S	23E	4304751457	Uintah	18519	WSMVD
BONANZA 1023-6G4CS	SENW	6	10S	23E	4304751458	Uintah	18519	WSMVD
BONANZA 1023-6A3DS	SENE	6	10S	23E	4304751459	Uintah	18519	WSMVD
BONANZA 1023-6G1DS	SENE	6	10S	23E	4304751460	Uintah	18519	WSMVD
BONANZA 1023-6H1BS	SENE	6	10S	23E	4304751461	Uintah	18519	WSMVD
BONANZA 1023-6H2CS	SENE	6	10S	23E	4304751462	Uintah	18519	WSMVD
BONANZA 1023-6I2AS	SENE	6	10S	23E	4304751463	Uintah	18519	WSMVD
BONANZA 1023-6I3DS	SWSE	6	10S	23E	4304751471	Uintah	18519	WSMVD
BONANZA 1023-6J4AS	SWSE	6	10S	23E	4304751472	Uintah	18519	WSMVD
BONANZA 1023-6P3AS	SWSE	6	10S	23E	4304751477	Uintah	18519	WSMVD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6A1CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047520960000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 2/4/2013	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

No Activity for the month of January 2013. Well TD at 8,790

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
February 07, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lindsey Frazier	720 929-6857	Regulatory Analyst II
SIGNATURE N/A		**DATE** 2/4/2013

RECEIVED: Feb. 04, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6A1CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047520960000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 3/4/2013	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

No Activity for the month of February 2013. Well TD at 8,790

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
March 05, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lindsey Frazier	720 929-6857	Regulatory Analyst II
SIGNATURE		**DATE**
N/A		3/4/2013

RECEIVED: Mar. 04, 2013

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU33433

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:
PONDEROSA

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
BONANZA 1023-6A1CS

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047520960000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6526

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 3/20/2013	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well was drilled to TD 8,790 feet and casing was set in the well. Upon review of the well for completion, the casing of the well parted at 6,542 feet. The operator requests approval to move forward with the completion of this well by setting a CIBP above where the casing parted at 6,450 ft, with 50 feet of cement to 6,400 feet. A second CIBP will be set at 6,375 feet to ensure isolation from the parted casing. The well will be completed in the Wasatch formation. Please see the attached procedure.

Accepted by the Utah Division of Oil, Gas and Mining

Date: March 28, 2013

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jaime Scharnowske	720 929-6304	Regulartory Analyst
SIGNATURE		**DATE**
N/A		3/20/2013

RECEIVED: Mar. 20, 2013

Greater Natural Buttes Unit

BONANZA 1023-6A1CS

BONANZA 1023-5D PAD

FIELD ID: ORANGE WELL

COMPLETIONS PROCEDURE

DATE: **2/1/2013**
AFE#: **2041778**
API#: **4304752096**
USER ID: **CZT459** (Frac Invoices Only)

COMPLETIONS ENGINEER: **Braden Riha, Denver, CO**
(720) 929-6913 (Office)
(281) 685-1779 (Cell)

REMEMBER SAFETY FIRST!

RECEIVED: Mar. 20, 2013

Name: **Bonanza 1023-6A1CS**
Location: **SW NE NE NE Sec 6 T10S R23E**
LAT: 39.983777 **LONG:** -109.358410 **COORDINATE:** NAD83 *(Surface Location)*
Uintah County, UT
Date: **2/1/2013**

ELEVATIONS: 5239' GL 5254' KB *Frac Registry TVD: 8633'*

TOTAL DEPTH: 8790' **PBTD:** 8702'
SURFACE CASING: 8 5/8", 28# J-55 LTC @ 2478'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 DQX @ 4994'
4 1/2", 11.6#, I-80 LTC @ 4994-8749'
Marker Joint **4972-4993**'

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl./ft)	(gal/ft)
2 3/8" 4.7# L-80 tbg	11,200	11,780	1.901"	0.00387	0.1624
4 ½" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
4 ½" 11.6# P-110	10691	7580	3.875"	0.0155	0.6528
2 3/8" by 4 ½" Annulus				0.0101	0.4227

TOPS: **BOTTOMS:**

4483' Wasatch Top
6633' Mesaverde Top
6633' Wasatch Bottom
8790' Mesaverde Bottom (TD)

T.O.C. @ surface'

Relevant History:

11/11/2012: TD well @ 8790'

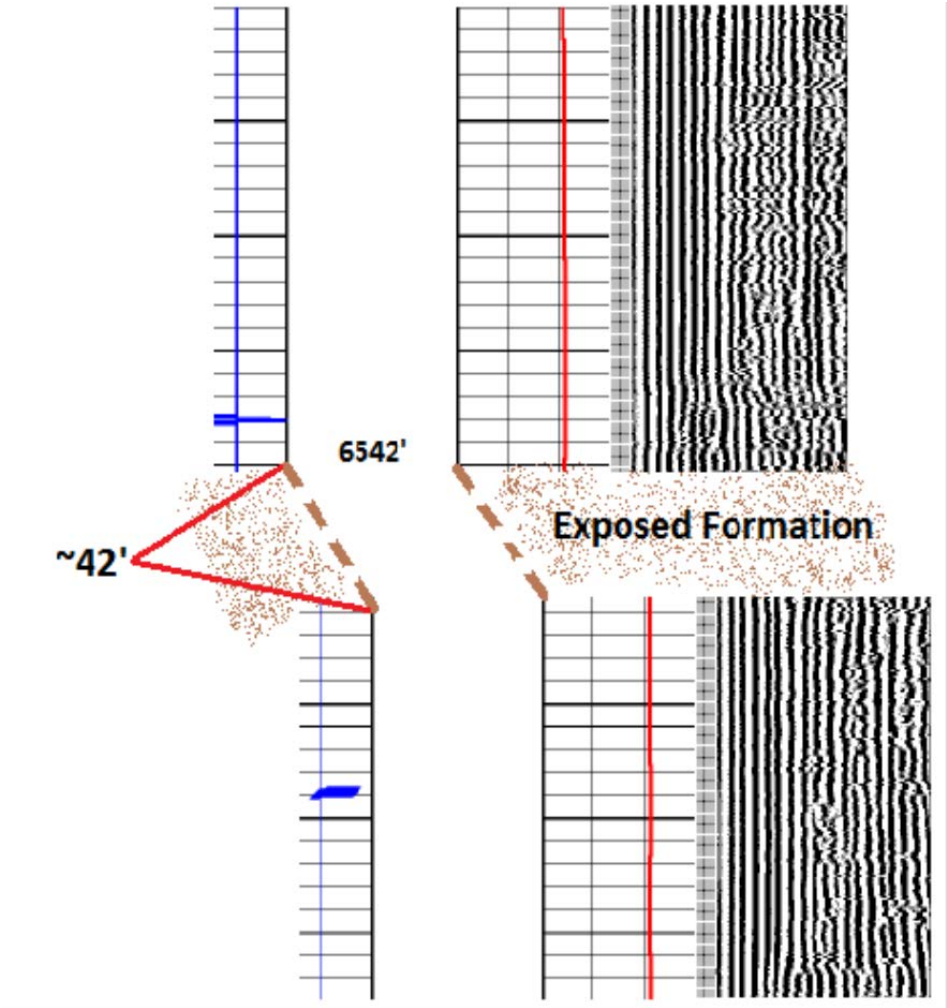
11/14/2012: Cemented production casing, with a pressure loss from 413 psi to 257 psi

11/15/2012: Ran wireline and tagged @ 6600'

1/3/2013: Ran CBL from surface to tag, poor bond below 6426'

1/3/2013: Ran camera and confirmed casing part and shift at short joint @ 6542'
(See diagram below)

RECEIVED: Mar. 20, 2013

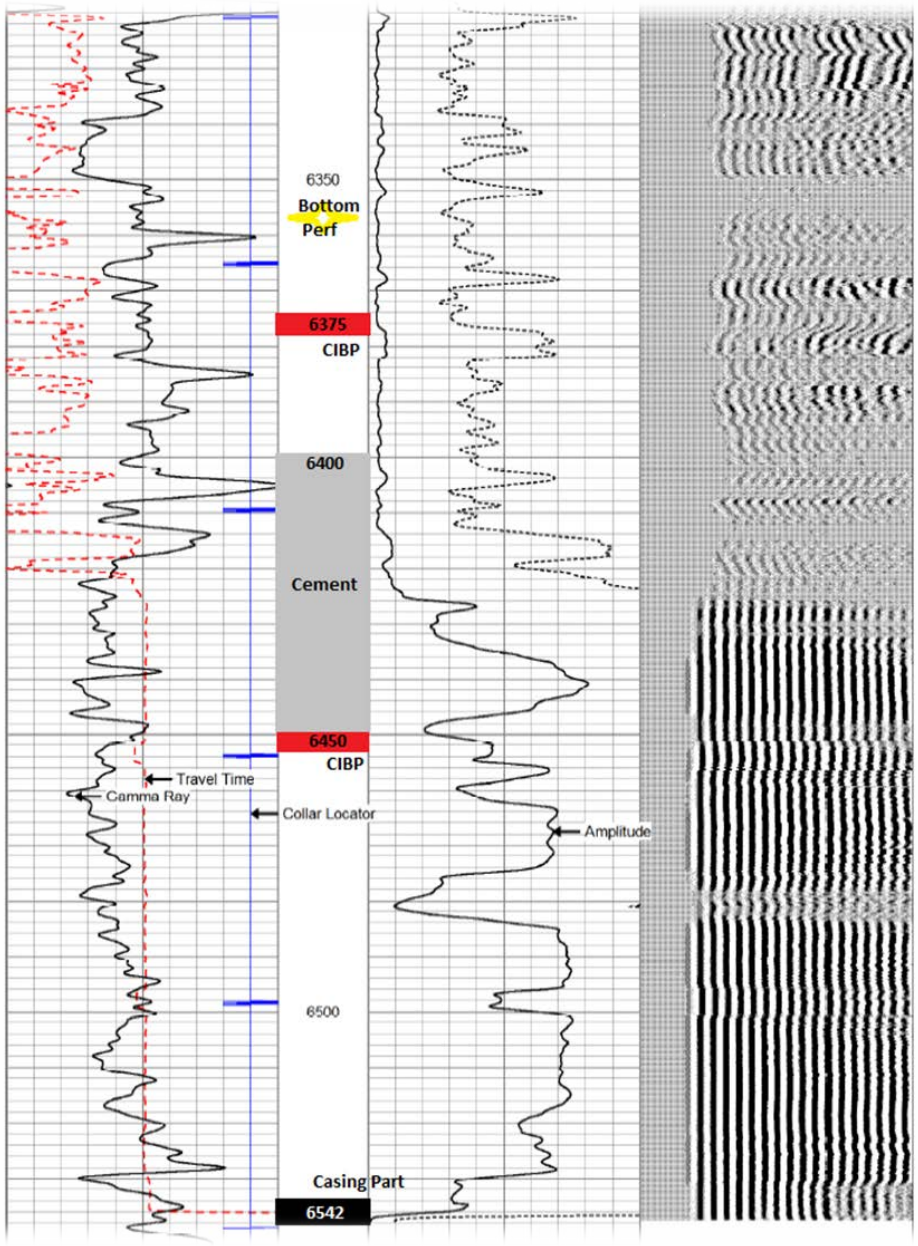


PROCEDURE NOTES:

- Produce the remaining upper Wasatch zones
- Procedure calls for 2 CIBP's (10,000 psi)
  - CIBP depths: 6450' and 6375'
- Set 50' of cement off wireline to 6400'
- Bottom perf will be at 6361'

(See diagram below)

RECEIVED: Mar. 20, 2013



GENERAL NOTES:

- **Please note that:**
  - **All stages on this procedure may or may not be completed due to low frac gradients, timing, or other possible reasons. Total stages completed can be found in the post-job-report.**
  - **CBP depth on this procedure is only to be used as a reference. This depth is subject to change as per field operations and the discretion of the wireline supervisor and field foreman.**
- A minimum of **8** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Pioneer's GR log dated **1/3/13**

RECEIVED: Mar. 20, 2013

- **5** fracturing stages required for coverage.
- Hydraulic isolation estimated at **surface** based upon from Pioneer's CBL dated 1/3/13 **.**
- Procedure calls for **5** CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- **Pump scale inhibitor at 0.5 gpt. Remember to pre-load the casing with scale inhibitor.**
- This is a NO Clay stabilizer pilot *** Please Do NOT pump Clay Stabilizer ***
- This is a LOW Surfactant pilot 0.75 GPT*** Please pump LOW Surfactant ***
- 30/50 mesh Ottawa sand, **Slickwater frac**.
- Maximum surface pressure **7000 psi**.
- **If casing pressure test fails (pressure loss of 1.5% psi or more), retest for 15 minutes. If pressure loss of 1.5% more on second test, notify Denver engineers. Record in Openwells. MIRU with tubing and packer. Isolate leak by pressure testing above and below the packer. RIH and set appropriate casing leak remediation. Re-pressure test to 1000 and 3500 psi for 15 minutes each and to 7000 psi for 30 minutes (specific details on remediation should be documented in OpenWells).**
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Call flush at 0 PPG @ inline densiometers. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.
- Max Sand Concentration: Wasatch 2 ppg;
- If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)
- **TIGHT SPACING ON STAGE 1,3– OVERFLUSH BY 5 BBLS**

PROCEDURE:

1. Set 1st CIBP @ 6450' off wireline, RINH wireline dump bailer and dump 50' of cement to 6400'.
2. Set 2nd CIBP @ 6375' off wireline.
3. NU and test BOPs. RIH 3 7/8" mill and clean out to 6397'. Circulate hole clean with recycled water. POOH. Run CBL (if needed).

4. ND BOPs and NU frac valves. Test frac valves and casing to to **7000 psi** for 15 minutes; if pressure test fails contact Denver engineer and see notes above. **Lock OPEN the Braden head valve**. Flow from annulus will be visually monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.

5. Pressure test frac lines to max surface pressure + 1000 psi for 15 minutes. Pressure loss should be less than 10% to be considered acceptable. Check and correct for existing leaks.

6. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	6235	6237	3	6
WASATCH	6282	6284	3	6
WASATCH	6344	6346	3	6

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WASATCH	6365	6367	3	6

7. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~6235' and trickle 250gal 15%HCL w/ scale inhibitor in flush. **NOTE: TIGHT SPACING THIS STAGE, OVERFLUSH BY 5BBLS**

8. Set **8000** psi CBP at ~6212'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	6068	6069	3	3
WASATCH	6087	6089	3	6
WASATCH	6125	6127	3	6
WASATCH	6175	6176	3	3
WASATCH	6180	6182	3	6

9. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~6068' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

10. Set **8000** psi CBP at ~5944'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5790	5792	3	6
WASATCH	5842	5844	3	6
WASATCH	5880	5882	3	6
WASATCH	5912	5914	3	6

11. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~5790' and trickle 250gal 15%HCL w/ scale inhibitor in flush. **NOTE: TIGHT SPACING THIS STAGE, OVERFLUSH BY 5BBLS**

12. Set **8000** psi CBP at ~5756'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5458	5460	3	6
WASATCH	5604	5606	3	6
WASATCH	5679	5681	3	6
WASATCH	5715	5716	3	3
WASATCH	5725	5726	3	3

13. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~5458' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

14. Set 8000 psi CBP at ~5358'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5126	5128	4	8
WASATCH	5144	5146	4	8
WASATCH	5326	5328	4	8

15. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~5126' and flush only with recycled water.

16. Set 8000 psi CBP at~5076'. Call for tubing.

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17. ND Frac Valves, NU and Test BOPs.

18. TIH with 3 7/8" bit, pump off sub, SN and tubing.

19. Drill plugs and clean out to PBTD. Shear off bit and land tubing at ±**6038**' unless indicated otherwise by the well's behavior.

20. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.

21. **Leave surface casing valve open**. Monitor and report any flow from surface casing. RDMO

Key Contact information

For design questions, please call Completion Engineer

Braden Riha: 281/685-1779, 720/929-6913

For field implementation questions, please call

Completion Supervisor Foreman

Jeff Samuels: 435/828-6515, 435/781-7046

Production Engineer

Ben Smiley: 936/524-4231, 435/781-7010

Heath Pottmeyer: 740/525-3445, 435/781-9789

Anqi Yang: 435/828-6505, 435/781-7015

Completion Manager

Jeff Dufresne: 720/929-6281, 303/241-8428

Vernal Main Office

435/789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435/789-3342

Police: 435/789-5835

Fire: 435/789-4222

Service Company Supplied Chemicals - Job Totals

Friction Reducer	63	gals @	0.5	GPT
Surfactant	94	gals @	0.75	GPT
Clay Stabilizer	0	gals @	0.0	GPT
15% Hcl	1250	gals @	250	gal/stg
Iron Control for acid	6	gals @	5.0	GPT of acid
Surfactant for acid	3	gals @	2.0	GPT of acid
Corrosion Inhibitor for acid	8	gals @	6.0	GPT of acid

Third Party Supplied Chemicals Job Totals - Include Pumping Charge if Applicable

Scale Inhibitor	63	gals pum	0.5	GPT (see schedule)
Biocide	38	gals @	0.3	GPT

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Fracturing Schedules

Name Bonanza 1023-6A1CS

Slickwater Frac

Copy to new book

Casing Size	4.5
Recomplete?	N
Pad?	Y
ACTS?	Y

Swabbing Days	0	Enter Number of swabbing days here for recompletes
Production Log	0	Enter 1 if running a Production Log
DFIT	0	Enter Number of DFITs
GR only	N	Enter Y if only Gamma Ray log was run
Low Scale	Y	Enter Y if a LOW concentration of Scale Inhibitor will be pumped
Clay Stab.	N	Enter N if there will be NO Clay stabilizer

Stage	Zone	Perfs Top, ft.	Perfs Bot., ft	SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
1	WASATCH	6235	6237	3	6	Varied	Pre-Pad & Pump-in test			Slickwater	4,070	4,070	97	97						2
	WASATCH	6282	6284	3	6	0	ISIP and 5 min ISIP													
	WASATCH	6344	6346	3	6	50	Slickwater Pad			Slickwater	3,139	7,210	75	172	15.0%	0.0%	0	0		2
	WASATCH	6365	6367	3	6	50	Slickwater Ramp	0.25	1	Slickwater	10,465	17,675	249	421	50.0%	37.3%	6,541	6,541		5
	WASATCH					50	Slickwater Ramp	1	2	Slickwater	7,325	25,000	174	595	35.0%	62.7%	10,988	17,529		4
	WASATCH					50	Flush (4-1/2)			Slickwater	4,070	29,070	97	692				17,529		2
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	17,529		0
	WASATCH											29,070	97	692						0
	WASATCH																			15
	WASATCH																			
	WASATCH																			
	WASATCH									Sand laden Volume		20,930								
			# of Perfs/stage		24									Flush depth	6,235	gal/md-ft	21,223	17,774	lbs sand/md-ft	
						13.8	<< Above pump time (min)							CBP depth	6,212				23	
2	WASATCH	6068	6069	3	3	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	6087	6089	3	6	0	ISIP and 5 min ISIP													
	WASATCH	6125	6127	3	6	50	Slickwater Pad			Slickwater	3,156	3,156	75	75	15.0%	0.0%	0	0		2
	WASATCH	6175	6176	3	3	50	Slickwater Ramp	0.25	1	Slickwater	10,519	13,675	250	326	50.0%	37.3%	6,575	6,575		5
	WASATCH	6180	6182	3	6	50	Slickwater Ramp	1	2	Slickwater	7,364	21,039	175	501	35.0%	62.7%	11,045	17,620		4
	WASATCH					50	Flush (4-1/2)			Slickwater	3,961	25,000	94	595				17,620		2
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	17,620		0
	WASATCH											25,000	94	595						0
	WASATCH																			13
	WASATCH																			
	WASATCH																			
	WASATCH									Sand laden Volume		21,039								
			# of Perfs/stage		24									Flush depth	6,068	gal/md-ft	549,316	460,052	lbs sand/md-ft	
						11.9	<< Above pump time (min)							CBP depth	5,944				124	
3	WASATCH	5790	5792	3	6	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	5842	5844	3	6	0	ISIP and 5 min ISIP													
	WASATCH	5880	5882	3	6	50	Slickwater Pad			Slickwater	3,183	3,183	76	76	15.0%	0.0%	0	0		2
	WASATCH	5912	5914	3	6	50	Slickwater Ramp	0.25	1	Slickwater	10,610	13,793	253	328	50.0%	37.3%	6,631	6,631		5
	WASATCH					50	Slickwater Ramp	1	2	Slickwater	7,427	21,220	177	505	35.0%	62.7%	11,141	17,772		4
	WASATCH					50	Flush (4-1/2)			Slickwater	3,780	25,000	90	595				17,772		2
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	17,772		0
	WASATCH											25,000	90	595						0
	WASATCH																			13
	WASATCH																			
	WASATCH																			
	WASATCH									Sand laden Volume		21,220								
			# of Perfs/stage		24									Flush depth	5,790	gal/md-ft	86,543	72,480	lbs sand/md-ft	
						11.9	<< Above pump time (min)							CBP depth	5,746				44	

Stage	Zone	Perfs Top, ft.	Perfs Bot., ft	SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
4	WASATCH	5458	5460	3	6	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	5604	5606	3	6	0	ISIP and 5 min ISIP													
	WASATCH	5679	5681	3	6	50	Slickwater Pad			Slickwater	3,216	3,216	77	77	15.0%	0.0%	0	0		2
	WASATCH	5709	5710	3	3	50	Slickwater Ramp	0.25	1	Slickwater	10,719	13,934	255	332	50.0%	37.3%	6,699	6,699		5
	WASATCH	5715	5716	3	3	50	Slickwater Ramp	1	2	Slickwater	7,503	21,437	179	510	35.0%	62.7%	11,254	17,954		4
	WASATCH					50	Flush (4-1/2)			Slickwater	3,563	25,000	85	595				17,954		2
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	17,954		0
	WASATCH											25,000	85	595						0
	WASATCH																			13
	WASATCH																			
	WASATCH																			
	WASATCH									Sand laden Volume		21,437								
																gal/md-ft	39,486	33,070	lbs sand/md-ft	
			# of Perfs/stage		24									Flush depth	5,458		CBP depth	5,358	100	
						11.9	<< Above pump time (min)													
5	WASATCH	5126	5128	4	8	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	5144	5146	4	8	0	ISIP and 5 min ISIP													
	WASATCH	5326	5328	4	8	50	Slickwater Pad			Slickwater	3,248	3,248	77	77	15.0%	0.0%	0	0		2
	WASATCH					50	Slickwater Ramp	0.25	1	Slickwater	10,827	14,075	258	335	50.0%	37.3%	6,767	6,767		5
	WASATCH					50	Slickwater Ramp	1	2	Slickwater	7,579	21,654	180	516	35.0%	62.7%	11,368	18,135		4
	WASATCH					50	Flush (4-1/2)			Slickwater	3,346	25,000	80	595				18,135		0
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	18,135		0
	WASATCH											25,000	80	595						0
	WASATCH																			11
	WASATCH																			
	WASATCH																			
	WASATCH									Sand laden Volume		21,654								
																gal/md-ft	88,854	74,415	lbs sand/md-ft	
			# of Perfs/stage		24									Flush depth	5,126		CBP depth	5,076	50	
						11.9	<< Above pump time (min)													
						0.0														
	Totals				120						Total Fluid	129,070	gals	3,073	bbls		Total Sand	89,009		
												3,073	bbls							
						1.0								6.8	tanks				Total Scale Inhib. =	63

Total Stages 5 stages
Last Stage Flush 3,346 gals

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Name Bonanza 1023-6A1CS
Perforation and CBP Summary

Stage	Zones	Perforations Top, ft	Perforations Bottom, ft	SPF	Holes		Fracture Coverage		
1	WASATCH	6235	6237	3	6		6228	to	6368
	WASATCH	6282	6284	3	6				
	WASATCH	6344	6346	3	6				
	WASATCH	6365	6367	3	6				
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				24		CBP DEPTH	6,212	
2	WASATCH	6068	6069	3	3		6060	to	6183
	WASATCH	6087	6089	3	6				
	WASATCH	6125	6127	3	6				
	WASATCH	6175	6176	3	3				
	WASATCH	6180	6182	3	6				
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				24		CBP DEPTH	5,944	
3	WASATCH	5790	5792	3	6		5786	to	5914
	WASATCH	5842	5844	3	6				
	WASATCH	5880	5882	3	6				
	WASATCH	5912	5914	3	6				
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				24		CBP DEPTH	5,746	
4	WASATCH	5458	5460	3	6		5450	to	5726
	WASATCH	5604	5606	3	6				
	WASATCH	5679	5681	3	6				
	WASATCH	5709	5710	3	3				
	WASATCH	5715	5716	3	3				
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				24		CBP DEPTH	5,358	
5	WASATCH	5126	5128	4	8		5103	to	5332
	WASATCH	5144	5146	4	8				
	WASATCH	5326	5328	4	8				
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				24		CBP DEPTH	5,076	
	Totals				120				Total

MD	TVD	EW	NS	INC	AZI		MD	TVD	EW	NS	INC	AZI
11	11	0	0	0	0		4407	4250.87	-990.78	192.38	1.56	289.5
184	184	-0.03	0.66	0.44	357.58		4497	4340.83	-993.29	193.05	1.75	280.87
269	269	-0.39	1.18	0.53	299.05		4586	4429.78	-996.06	193.55	1.88	279.75
351	350.98	-2.03	1.54	1.85	277.52		4672	4515.74	-998.89	193.98	1.94	277.5
441	440.91	-5.47	2.28	2.64	285.34		4760	4603.69	-1001.71	194.01	1.75	263.25
531	530.78	-10.04	3.68	3.45	288.41		4847	4690.66	-1003.64	193.14	1.25	220.5
621	620.51	-16.67	5.58	5.35	284.4		4937	4780.66	-1003.75	192.13	0.75	116.62
711	709.99	-26	8.01	6.95	284.81		5085	4928.64	-1001.71	191.16	1	114.12
801	799.11	-38.2	10.88	9.06	282		5174	5017.62	-1000.19	190.52	1.13	112.12
891	887.7	-53.71	13.92	11.17	280.33		5264	5107.61	-998.63	189.78	1.06	118.62
981	975.58	-72.78	17.44	13.72	280.59		5351	5194.59	-997.12	188.81	1.31	126.25
1071	1062.62	-95.15	22.22	15.74	283.32		5439	5282.57	-995.53	187.75	1.19	121
1161	1148.9	-120.02	28.32	17.32	284.2		5529	5372.55	-993.8	186.95	1.25	108.37
1251	1234.71	-146.26	35.15	17.76	284.99		5618	5461.53	-992.08	186.29	1.13	114.12
1341	1320.21	-173.42	42.42	18.64	284.99		5708	5551.52	-991.53	186.06	0.38	295.5
1431	1405.24	-202.04	49.49	19.61	282.79		5797	5640.52	-991.94	186.32	0.25	316.12
1521	1489.86	-231.98	56.09	20.22	282.09		5886	5729.52	-992.06	186.51	0.06	8.87
1611	1574.02	-263.26	62.25	21.28	280.24		5974	5817.52	-992.06	186.55	0	146.75
1701	1657.81	-295.63	67.86	21.55	279.44		6061	5904.52	-992.05	186.43	0.17	175.32
1791	1741.28	-328.89	73.07	22.38	278.36		6149	5992.52	-991.88	186.05	0.38	149
1881	1824.3	-363.29	77.94	23.04	277.78		6238	6081.52	-991.58	185.67	0.25	129.62
1971	1907.28	-397.86	82.29	22.51	276.55		6327	6170.52	-991.27	185.44	0.25	123
2061	1990.49	-431.86	86.77	22.29	278.47		6416	6259.52	-990.85	185.11	0.44	130
2151	2074.16	-464.61	91.87	20.93	279.27		6504	6347.51	-990.11	184.58	0.75	123.87
2241	2158.5	-495.45	97.85	19.95	282.75		6593	6436.5	-989.19	183.94	0.69	126
2331	2243.1	-525.37	104.68	19.93	282.96		6681	6524.5	-988.2	183.25	0.88	123.25
2446	2351.59	-562.75	112.26	18.82	279.89		6770	6613.49	-987.83	182.33	0.75	200.37
2552	2452.04	-596.31	116.69	18.46	275.08		6947	6790.48	-988.99	181.11	0.5	260.12
2642	2536.87	-625.97	121.35	20.59	282.4		7036	6879.46	-990.62	181.47	1.69	288.87
2731	2620.29	-656.21	128.24	20.2	283.28		7125	6968.42	-993.13	182.39	1.75	291.12
2818	2702.07	-685.25	134.33	19.7	280.38		7215	7058.38	-995.62	183.3	1.63	289.25
2907	2785.9	-714.68	139.59	19.56	279.87		7302	7145.35	-997.85	183.96	1.44	283.12
2994	2867.8	-743.66	144.3	19.88	278.62		7390	7233.33	-999.88	184.11	1.25	264.25
3082	2950.91	-772.13	149.33	18.5	281.5		7479	7322.31	-1001.56	183.84	0.94	256.12
3172	3036.3	-799.99	154.96	18.31	281.37		7567	7410.3	-1002.67	183.27	0.75	225.75
3259	3119.35	-825.55	159.26	16.38	277.5		7654	7497.3	-1003.23	182.37	0.69	197.12
3347	3204.18	-848.58	163.2	14.44	282.25		7743	7586.29	-1003.23	181.35	0.69	162.5
3436	3290.28	-870.63	167.76	14.88	281.12		7833	7676.28	-1002.68	179.98	1.19	155.62
3525	3376.59	-892.04	171.42	13.38	278.12		7920	7763.26	-1001.84	178.28	1.31	152.12
3614	3463.38	-911.48	174.55	12.19	280.25		8012	7855.24	-1000.67	176.74	1.13	131.75
3701	3548.73	-928.1	177.28	10.13	278.25		8099	7942.22	-999.42	175.44	1.25	140
3791	3637.42	-943.27	179.14	9.44	275.62		8188	8031.2	-998.13	174.06	1.19	133.5
3878	3723.52	-955.65	180.73	7.06	279.62		8276	8119.18	-996.82	172.79	1.19	134.87
3965	3809.84	-966.28	182.8	7.25	282.37		8364	8207.15	-995.36	171.33	1.5	135.37
4055	3899.35	-975.26	185.36	4.69	291.37		8452	8295.12	-993.71	169.66	1.56	135.12
4144	3988.09	-981.55	187.9	4.06	292.62		8541	8384.09	-991.92	167.87	1.69	134.87
4230	4073.95	-985.83	189.91	2.25	299.87		8628	8471.04	-989.84	165.93	2.06	131.37
4318	4161.9	-988.48	191.37	1.69	297.5		8740	8582.93	-986.06	162.85	2.94	127.75
							8790	8632.87	-984.03	161.28	2.94	127.75

RECEIVED: Mar. 20, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6A1CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047520960000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 4/3/2013	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Started completing the well. Well TD at 8,790

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
April 03, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Teena Paulo	720 929-6236	Staff Regulatory Specialist
SIGNATURE		**DATE**
N/A		4/3/2013

RECEIVED: Apr. 03, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6A1CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047520960000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 5/3/2013	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Started completing the well. Well TD at 8,790

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
May 03, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Teena Paulo	720 929-6236	Staff Regulatory Specialist
SIGNATURE		**DATE**
N/A		5/3/2013

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU33433

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:
PONDEROSA

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
BONANZA 1023-6A1CS

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047520960000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6526

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 5/14/2013	☐ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well was drilled to TD 8,790ft. Upon review of the well for completion, a casing part was identified. The operator received approval to set two CIBPs to isolate the parted casing on 04/08/2013. On 04/17/2013 the two CIBPs were set. After a subsequent pressure test failed, the operator identified and confirmed perforations in the production casing. The operator requests approval to perform a casing patch to the subject wells production casing. Please find the attached casing patch procedure.

Accepted by the Utah Division of Oil, Gas and Mining

Date: May 15, 2013

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Luke Urban	720 929-6501	Regulatory Specialist
SIGNATURE		**DATE**
N/A		5/14/2013

RECEIVED: May. 14, 2013

Greater Natural Buttes Unit

BONANZA 1023-6A1CS

BONANZA 1023-5D PAD

FIELD ID: ORANGE WELL

COMPLETIONS PROCEDURE

DATE: **5/14/13**
AFE#: **2041778**
API#: **4304752096**
USER ID: **MRX575** (Frac Invoices Only)

COMPLETIONS ENGINEER: **Kevin Lammers, Denver, CO**
(720) 929-6109 (Office)
(713) 829-7143 (Cell)

REMEMBER SAFETY FIRST!

RECEIVED: May. 14, 2013

Name: **Bonanza 1023-6A1CS**
Location: **SW NE NE NE Sec 6 T10S R23E**
LAT: 39.983777 **LONG:** -109.358410 **COORDINATE:** NAD83 *(Surface Location)*
Uintah County, UT
Date: **5/14/13**

ELEVATIONS: 5239' GL 5254' KB *Frac Registry TVD: 8633*'

TOTAL DEPTH: 8790' **PBTD:** 8702'
SURFACE CASING: 8 5/8", 28# J-55 LTC @ 2478'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 DQX @ 4994'
4 1/2", 11.6#, I-80 LTC @ 4994-8749'
Marker Joint **4972-4993**'

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl./ft)	(gal/ft)
2 3/8" 4.7# L-80 tbg	11,200	11,780	1.901"	0.00387	0.1624
4 ½" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
4 ½" 11.6# P-110	10691	7580	3.875"	0.0155	0.6528
2 3/8" by 4 ½" Annulus				0.0101	0.4227

TOPS: **BOTTOMS:**

4483' Wasatch Top
6633' Mesaverde Top

6633' Wasatch Bottom
8790' Mesaverde Bottom (TD)

T.O.C. @ surface'

Relevant History:

11/11/2012: TD well @ 8790'

11/14/2012: Cemented production casing and could not successfully bump plug

11/15/2012: Ran wireline and tagged high @ 6600'

1/3/2013: Ran CBL from surface to tag, poor bond below 6426'

1/8/2013: Perf tubing to establish circulation for running downhole camera during remediation of well

1/9/2013: Ran camera and confirmed casing part and shift at short joint @ 6542'

4/17/2013: Set 2 CIBP's as per design in completions procedure

4/25/2013: Pressure test production casing in preparation for frac, pressure test failed.

5/1/2013: Attempt to isolate leak in casing using downhole camera to check casing integrity

5/2/2013: Leak isolated and confirmed with camera, 3 perforations found in casing from 3856.5-3857.5 (Cause: Tubing perfs from 1/8/13 shot through production casing)

RECEIVED: May. 14, 2013

CASING PATCH PROCEDURE:

Perforations to patch @ 3856.5-3857.5

1. MIRU Rig, NDWH. NUBOPE.
2. MIRU wireline truck. P/U 4 ½" CBP & RIH. Set CBP @ 3878'.
3. POOH RDMO wireline.
4. P/U 3 7/8" mill RIH ON 2 3/8" tubing & make clean out run to 3878'. POOH L/D C/O tools.
5. P/U Saltel 4 ½" Slimline Casing Patch (20') RIH. Tag CBP @ 3878', P/U 10'. Set patch W/ 10' above perforations & 10' below perforations. POOH. Make gauge ring run through patch to 3878'. POOH. Pressure test casing patch to max frac pressure.

Key Contact information

For design questions, please call Completion Engineer

Kevin Lammers: 713/829-7143, 720/929-6109

For field implementation questions, please call

Completion Supervisor Foreman

Jeff Samuels: 435/828-6515, 435/781-7046

Production Engineer

Heath Pottmeyer: 740/525-3445, 435/781-9789

Anqi Yang: 435/828-6505, 435/781-7015

Completion Manager

Jeff Dufresne: 720/929-6281, 303/241-8428

Vernal Main Office

435/789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435/789-3342

Police: 435/789-5835

Fire: 435/789-4222

RECEIVED: May. 14, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6A1CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047520960000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 6/5/2013	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Started completing the well. Well TD at 8,790 ft.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
June 10, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Luke Urban	720 929-6501	Regulatory Specialist
SIGNATURE		**DATE**
N/A		6/5/2013

RECEIVED: Jun. 05, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: UTU33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6A1CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047520960000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 7/2/2013	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Started completing the well. Well TD at 8,790 ft.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
July 10, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Teena Paulo	720 929-6236	Staff Regulatory Specialist
SIGNATURE N/A		**DATE** 7/2/2013

RECEIVED: Jul. 02, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: UTU33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6A1CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047520960000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 8/5/2013	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
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	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

No actitivy for the month of July 2013. Well TD at 8,790 ft.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
August 07, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Teena Paulo	720 929-6236	Staff Regulatory Specialist
SIGNATURE		**DATE**
N/A		8/5/2013

RECEIVED: Aug. 05, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: UTU33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6A1CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047520960000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 9/3/2013	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
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	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Started completing the well. Well TD at 8,790 ft.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
October 01, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Matthew P Wold	720 929-6993	Regulatory Analyst I
SIGNATURE		**DATE**
N/A		9/3/2013

RECEIVED: Sep. 03, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6A1CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047520960000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 10/4/2013	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
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	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Well was completed, finishing well completion report. Well TD at 8,790 ft.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
October 07, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Teena Paulo	720 929-6236	Staff Regulatory Specialist
SIGNATURE		**DATE**
N/A		10/4/2013

RECEIVED: Oct. 04, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6A1CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047520960000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 1/2/2014	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

No actitivy for Quarter 4 of 2013. Well TD at 8,790 ft. Well still in a completion status.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
January 03, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Kay E. Kelly	720 929 6582	Regulatory Analyst
SIGNATURE		**DATE**
N/A		1/2/2014

RECEIVED: Jan. 02, 2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6A1CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047520960000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6100

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 4/1/2014	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Started completing the well. Well TD at 8,790 ft.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
April 04, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Kay E. Kelly	720 929 6582	Regulatory Analyst
SIGNATURE		**DATE**
N/A		4/1/2014

RECEIVED: Apr. 01, 2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6A1CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047520960000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6100

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 6/26/2014	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE BONANZA 1023-6A1CS WAS ATTEMPTED TO COMPLETE IN MAY OF 2013. THE WELL WILL BE P&A'd. PROCEDURES FOR P&A WILL BE SUBMITTED. THANK YOU.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
June 26, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Kay E. Kelly	720 929 6582	Regulatory Analyst
SIGNATURE N/A		**DATE** 6/26/2014

RECEIVED: Jun. 26, 2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: UTU33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6A1CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047520960000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6100

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 6/30/2014	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

No activity for Quarter 1 of 2014. Well TD at 8,790. Operator plans to P&A the well. P&A procedure will be submitted for approval.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
July 01, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Ila Beale	720 929-6408	Staff Reg. Specialist
SIGNATURE		**DATE**
N/A		6/30/2014

RECEIVED: Jun. 30, 2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: UTU33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6A1CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047520960000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6100

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 9/11/2014	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Started completing the well. Well TD at 8,790 ft. Thank you.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
September 12, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Kay E. Kelly	720 929 6582	Regulatory Analyst
SIGNATURE		**DATE**
N/A		9/11/2014

Sundry Number: 54991 API Well Number: 43047520960000

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU33433

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:
PONDEROSA

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
BONANZA 1023-6A1CS

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047520960000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6100

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 8/28/2014	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	✓ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUEST TO PLUG AND ABANDONED THE SUBJECT WELL. PLEASE FIND ATTACHED THE P&A PROCEDURE. THANK YOU.

Accepted by the Utah Division of Oil, Gas and Mining
Date: September 17, 2014
By: Dark K Dunt

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Kay E. Kelly	720 929 6582	Regulatory Analyst
SIGNATURE		**DATE**
N/A		8/28/2014

RECEIVED: Aug. 28, 2014

BONANZA 1023-6A1CS
534' FNL & 481' FWL
NWNW SEC. 5, T10S, R23E
Uintah County, UT

KBE:	5,254'	**API NUMBER:**	4304752096
GLE:	5,239'	**LEASE NUMBER:**	UTU33433
TD:	8,790'		
PBTD:	8,702'		

CASING :

12 ¼" hole to 221'
11" hole to 2509'
8.625" 28# J-55 LTC @ 2478'
TOC @ surface

7.875" hole
4.5" 11.6# I-80 DQX @ 4994'
4.5" 11.6# I-80 LTC @ 4994-8749'
TOC @ surface per CBL

PERFORATIONS: No perforations were made.

TUBING: No tubing in hole.

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
8.625" 28# J-55	8.097	1370	2950	2.6223	0.3505	0.0624
Annular Capacities						
2.3/8" tbg. X 4 ½" 17# csg				0.4226	0.0565	0.01
4.5" csg X 8 5/8" 28# csg				1.7961	0.2401	0.0428
4.5" csg X 7 7/8 borehole				1.704	0.2278	0.0406
8.5/8" csg X 11" borehole				1.9026	0.2543	0.0453
8.5/8" csg X 12 1/4" borehole				3.0874	0.4127	0.0735

GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Green River	1296'
Bird's Nest	1603'
Mahogany	1982'
Wasatch	4324'
Mesaverde	6610'

Tech. Pub. #92 Base of USDW's

USDW Depth	~1,800' MSL
USDW Elevation	~3,454' KBE

RECEIVED: Aug. 28, 2014

BONANZA 1023-6A1CS PLUG & ABANDONMENT PROCEDURE

GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDE. PREMIX 5 GALLONS PER 100 BBLS FLUID.
- NOTIFY APPROPRIATE AGENCY 24 HOURS BEFORE MOVING ON LOCATION.
- A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.

PROCEDURE

Note: Approx. **127 sx** Class "G" cement needed for procedure.

1. A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.

2. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.

3. **PLUG #1, PROTECT TOP OF WASATCH (4324'):** RIH TO **~4430'**. BRK CIRC W/ FRESH WATER. DISPLACE **18.8 CUFT / 3.4 BBL /~16.4 SX** AND BALANCE PLUG W/ **TOC @ ~4220'** (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED WATER (~10.5 BBLS).

4. **PLUG #2, PROTECT BASE OF USDW (~3454'):** PUH TO **~3560'**. BRK CIRC W/ FRESH WATER. DISPLACE **18.8 CUFT / 3.4 BBL /~16.4 SX** AND BALANCE PLUG W/ **TOC @ ~3350'** (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED WATER (~20.1 BBLS).

5. **PLUG #3, PROTECT TOP OF MAHOGANY (1982') & TOP OF BIRDS NEST (1603') & TOP OF GREEN RIVER (1296'):** PUH TO **~2090'**. BRK CIRC W/ FRESH WATER. DISPLACE **80.6 CUFT / 14.3 BBL /~70.4 SX** AND BALANCE PLUG W/ **TOC @ ~1190'** (900' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED WATER (~14.1 BBLS).

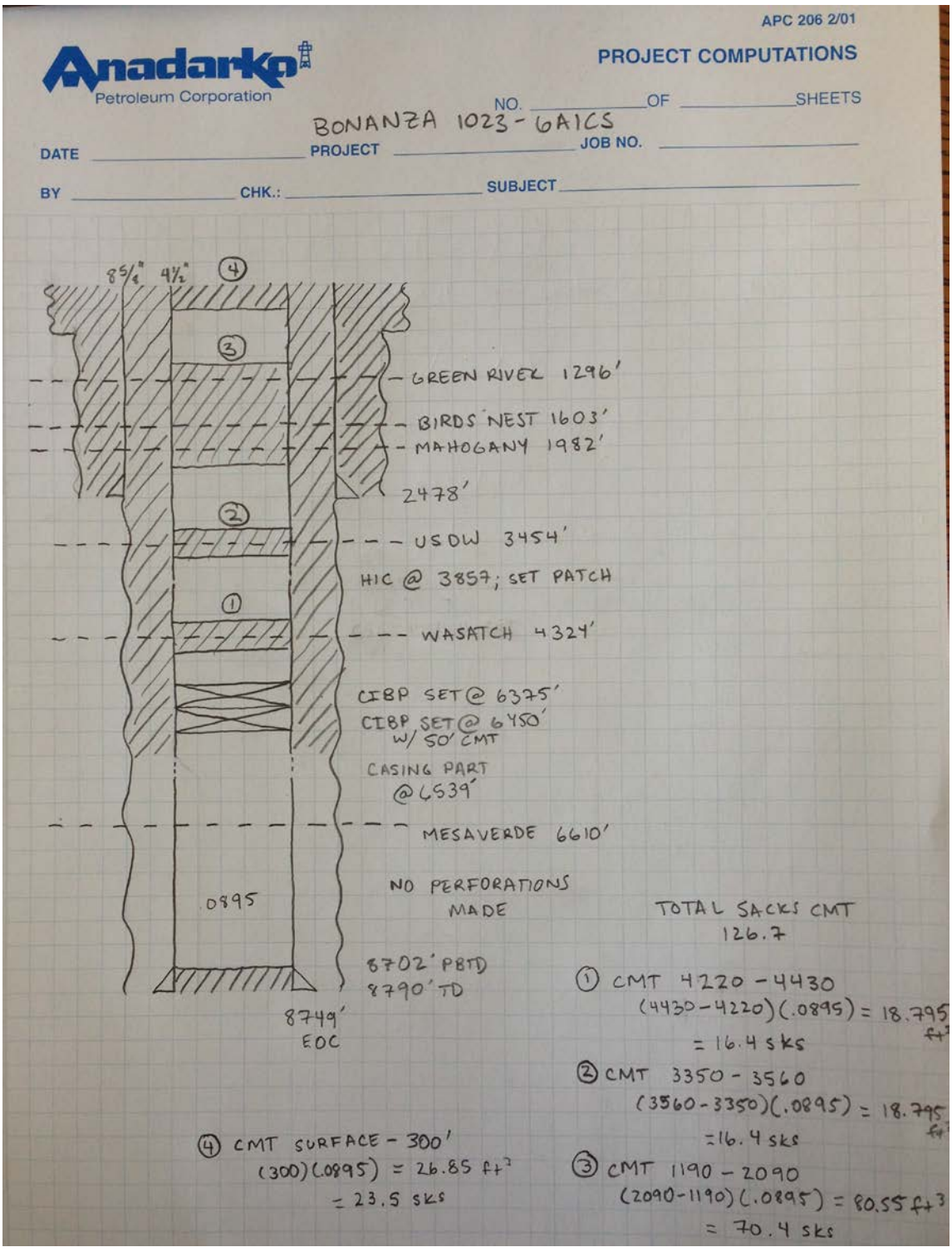
6. **PLUG #4, FILL SURFACE HOLE:** PUMP **26.9 CUFT./ 4.8 BBL /~23.5 SX** OR SUFFICIENT VOLUME TO FILL CASING F/ 300' TO SURFACE.

7. CUT OFF WELLHEAD AND INSTALL MARKER PER REGULATIONS.

8. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB. SURFACE RECLAMATION TO BE PERFORMED IN ACCORDANCE TO REGULATIONS.

MBB 8/28/2014

RECEIVED: Aug. 28, 2014



RECEIVED: Aug. 28, 2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: UTU33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: PONDEROSA

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-6A1CS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047520960000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6100

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0534 FNL 0481 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 05 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 3/2/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☑ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, LP has plugged and abandoned the Bonanza 1023-6A1CS well. Please see the operations summary report for details. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 17, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Kristina Geno	720 929-6824	Regulatory Analyst
SIGNATURE		**DATE**
N/A		3/11/2015

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: MILES 2/2
Event: ABANDONMENT	Start date: 2/16/2015		End date: 3/2/2015
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
3/2/2015	7:00 - 7:15	0.25	ABANDP	48		P		HSM, JSA
	7:15 - 8:00	0.75	ABANDP	30	A	P		MIRU, ND WH, NU BOP'S, RU FLOOR & TBG EQUIP
	8:00 - 10:00	2.00	ABANDP	31	I	P		P/U TBG, TIH & TALLY TO 4430'
	10:00 - 16:00	6.00	ABANDP	51	D	P		MIRU PRO PETRO, FILL & PRESSURE TEST CSG TO 500#, PUMP 2.6 BBLS FRESH WTR AHEAD, MIX & PUMP 20 SX CMT @ 15.8 PPG, DISPLACE W/ 15 BBLS, TOC @ 4144', T-MAC, PUH TO 3560', PUMP 2.6 BBLS FRESH WTR AHEAD, MIX & PUMP 190 SX CMT @ 15.8 PPG, DISPLACE W/ 2 BBLS T-MAC (AS PER BLM REQUEST), TOC @ 926', PUH TO 300', MIX & PUMP 50 SX CMT @ 15.8 PPG INTIL RETURNS TO SURFACE, ND BOP'S, NU WH, RDMO, CUT WH OFF & TOP OFF LAST 3' OF CSG W/ CMT\n\nLAT 39.983791 LONG 109.358379

RECEIVED: Mar. 11, 2015

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU33433

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
UTU88209A

2. Name of Operator
KERR-MCGEE OIL AND GAS ONSHORE LP
Contact: JENNIFER THOMAS
E-Mail: jennifer.thomas@anadarko.com

8. Lease Name and Well No.
BONANZA 1023-6A1CS

3. Address
P.O. BOX 173779
DENVER, CO 80217

3a. Phone No. (include area code)
Ph: 720-929-6808

9. API Well No.
43-047-52096

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface Sec 5 T10S R23E Mer SLB
NWNW Lot 4 534FNL 481FWL 39.983777 N Lat, 109.358410 W Lon
At top prod interval reported below Sec 5 T10S R23E Mer SLB
At total depth Sec 6 T10S R23E Mer SLB
NENE Lot 1 373FNL 503FEL

10. Field and Pool, or Exploratory
NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey or Area Sec 5 T10S R23E Mer SLB

12. County or Parish
UINTAH

13. State
UT

14. Date Spudded
08/17/2012

15. Date T.D. Reached
11/12/2012

16. Date Completed
☒ D & A ☐ Ready to Prod.
03/02/2015

17. Elevations (DF, KB, RT, GL)*
5254 KB

18. Total Depth: MD 8790 TVD 8633

19. Plug Back T.D.: MD 8702 TVD 8545

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
TRIPLE COMBO, CEMENT BOND GAMMA RAY CCL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STL	36.7	0	40		28			
11.000	8.625 J-55	28.0	15	2478		1750		0	
7.875	4.500 I-80	11.6	15	8749		1680		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)						
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #301521 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

RECEIVED: May. 12, 2015

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
UNKNOWN

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				WASATCH	4483
				MESAVERDE	6650

32. Additional remarks (include plugging procedure):
This well was drilled to TD @ 8790' on 11/12/2012. In an attempt to complete the well it was discovered there was parted casing. An attempt was made to patch the casing with no results. The well was not completed and the decision was made to plug and abandon the well, which was completed on 03/02/2015. See the attached operations summary for the P & A.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #301521 Verified by the BLM Well Information System.
For KERR-MCGEE OIL AND GAS ONSHORE, sent to the Vernal

Name *(please print)* JENNIFER THOMAS Title REGULATORY SPECIALIST III

Signature (Electronic Submission) Date 05/12/2015

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

RECEIVED: May. 12, 2015

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
Event: DRILLING	Start date: 8/30/2012		End date: 11/15/2012
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
9/17/2012	4:00 - 4:30	0.50	PRPSPD	01	C	P		PRE SPUD JOB SAFETY MEETING FINISH PICKING UP BHA. PICK UP NOV 1.83 DEGREE BENT MOTOR (RUN # 1)- .17 REV/GAL SN (775-24-A201). PICK UP 12.25 Q506 DRILL BIT RUN 34 SN (7020485)
	4:30 - 5:30	1.00	DRLSUR	02	D	P		SPUD 09/17/2012 04:30. DRILL 12.25" HOLE 44'-210' (166', 110'/PER HOUR). 12.25 in. BIT ON 33 th RUN. WEIGHT ON BIT 5-15 K. STROKES PER MINUTE 120 GALLONS PER MINUTE 491. PRESSURE ON/OFF (BOTTOM) 800/600. ROTARY RPM 55, MOTOR RPM 83, TOTAL RPM 138. UP/DOWN/ ROTATE 20/20/20 K. DRAG 0 K. CIRCULATE CLOSED LOOP SYSTEM WITH 8.5# WATER. DRILL DOWN TO 210' WITH 6" DRILL COLLARS.
	5:30 - 7:30	2.00	DRLSUR	06	A	P		CIRCULATE 15 MINUTES AND, TRIP OUT TO CHANGE ASSEMBLY. PRE JOB SAFETY MEETING, LAY DOWN 6" DRILL COLLARS, BREAK 12 1/4" BIT. MAKE UP Q506F 11" BIT (3RD RUN) (SN 7138966) PICK UP 8" DIRECTIONAL ASSEMBLY. I NSTALL EM TOOL, TRIP IN HOLE.
	7:30 - 18:00	10.50	DRLSUR	02	B	P		DRILL 11". SURFACE HOLE 210'-1440', (1230', 117'/PER HOUR). WEIGHT ON BIT 15-25 K. STROKES PER MINUTE 120 GALLONS PER MINUTE 491. PRESSURE ON/OFF(BOTTOM) 1050/850. ROTARY RPM 55, MOTOR RPM 83, TOTAL RPM 138. UP/DOWN/ ROT 30/22/28 K. DRAG 2 K. SLIDING 15' PER 90'OF ROTATION GETTING 1.3 DEGREE BUILD RATES CIRCULATE CLOSED LOOP SYSTEM WITH 8.4# WATER. RUNNING VOLUME OVER BOTH SHAKERS NO HOLE ISSUES.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
Event: DRILLING	Start date: 8/30/2012		End date: 11/15/2012
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	18:00 - 0:00	6.00	DRLSUR	02	B	P		DRILL 11". SURFACE HOLE 1440'-2110', (670', 111'/PER HOUR). WEIGHT ON BIT 15-25 K. STROKES PER MINUTE 120 GALLONS PER MINUTE 491. PRESSURE ON/OFF(BOTTOM) 1350/1050. ROTARY RPM 55, MOTOR RPM 83, TOTAL RPM 138. UP/DOWN/ ROT 83/61/70 K. DRAG 13 K. SLIDING 15' PER 90'OF ROTATION GETTING 1.3 DEGREE BUILD RATES CIRCULATE CLOSED LOOP SYSTEM WITH 8.4# WATER. RUNNING VOLUME OVER BOTH SHAKERS PUT AIR ON THE HOLE @1800 CFM @ 1440' NO OTHER HOLE ISSUES.
9/18/2012	0:00 - 5:00	5.00	DRLSUR	02	B	P		DRILL 11". SURFACE HOLE 2110'-2498', (388', 77'/PER HOUR). WEIGHT ON BIT 15-25 K. STROKES PER MINUTE 120 GALLONS PER MINUTE 491. PRESSURE ON/OFF(BOTTOM) 1350/1050. ROTARY RPM 55, MOTOR RPM 83, TOTAL RPM 138. UP/DOWN/ ROT 83/61/70 K. DRAG 13 K. SLIDING 15' PER 90'OF ROTATION GETTING 1.3 DEGREE BUILD RATES CIRCULATE CLOSED LOOP SYSTEM WITH 8.4# WATER. RUNNING VOLUME OVER BOTH SHAKERS PUT AIR ON THE HOLE @1800 CFM @ 1440' NO OTHER HOLE ISSUES.
	5:00 - 8:00	3.00	DRLSUR	05	A	P		CIRCULATE AND CONDITION HOLE, VOLUME IS CLEAN COMING OVER SHAKERS, 4 400 BBL UPRIGHT'S FULL AND 2 EMPTY, MUD TANKS FULL, HOLE IS STILL LOSING VOLUME LOSING VOLUME.
	8:00 - 11:30	3.50	CSGSUR	06	D	P		TRIP OUT OF HOLE, LAY DOWN BOTTOM HOLE ASSEMBLY, DIRECTIONAL TOOLS, MOTOR AND, BIT. LAY DOWN DIRECTIONAL TOOLS. CLEAR TOOL AREA.
	11:30 - 13:00	1.50	CSGSUR	08	A	Z		***FAILURE: RIG EQUIPMENT - (2 RADIATOR HOSSES) MAHOGANY-TD FOUND 2 RADIATOR HOSSES LEAKING, ORDERD NEW HOSSES AND REPLACED THEM BOTH.
	13:00 - 13:30	0.50	CSGSUR	06	A	P		PRE JOB SAFETY MEETING, MOVE PIPE RACKS AND CATWALK. PULL DIVERTER HEAD. RIG UP TO RUN SURFACE CASING. CLEAR UNRELATED TOOLS.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
Event: DRILLING	Start date: 8/30/2012		End date: 11/15/2012
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	13:30 - 15:30	2.00	CSGSUR	12	C	P		RUN 56 JOINTS OF 8-5/8". 28# J-55 LTC CASING. RAN 1 CENTRALIZER ON FIRST THREE JOINTS, AND EVERY OTHER JOINT FOR 2 JOINTS FOR A TOTAL OF 5 CENTRALIZERS. RUN A TOTAL OF 56 JOINTS. RUN CASING TO BOTTOM WITH NO PROBLEMS. SET FLOAT SHOE @ 2467.33' KB. SET TOP OF BAFFLE PLATE @ 2421.38' KB.
	15:30 - 18:30	3.00	CSGSUR	12	E	P		RAN 200 ft OF 1 lin. PIPE DOWN BACK-SIDE OF CASING. PRE JOB SAFETY MEETING, PRESSURE TEST LINES TO 2000 PSI. PUMP 145 BBLS OF WATER AHEAD. MIX AND PUMP 20 BBLS OF 8.5# GEL WATER AHEAD. MIX AND PUMP (300 sx) 61.4 BBLS OF 15.8.8# 1.15 YIELD. DROP PLUG ON FLY, DISPLACE W/ 148 BBLS OF H2O, NO RETURNS THROUGH OUT JOB, FINAL LIFT OF 100 PSI AT 3 BBL/MINUTE. BUMP THE PLUGG WITH 400 PSI, HELD 400 PSI FOR 5 MINUTES, TESTED FLOAT AND FLOAT HELD. SHUT DOWN AND WASH UP.
	18:30 - 19:00	0.50	CSGSUR	12	E	P		PUMP CEMENT DOWN ONE INCH PIPE WITH 150 sx (30.7 bbls.)SAME CEMENT NO RETURNS TO SURFACE. SHUT DOWN AND WASH UP.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
Event: DRILLING	Start date: 8/30/2012		End date: 11/15/2012
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	19:00 - 21:30	2.50	CSGSUR	12	E	P		WAIT 1.5 HOURS ON CEMENT, CEMENT DOWN BACKSIDE W/ 150 sx (30.7 bbls.) SAME CEMENT NO RETURNS TO SURFACE. WAIT 1.5 HOURS ON CEMENT, CEMENT DOWN BACKSIDE W/ 150 sx (30.7 bbls.) SAME CEMENT NO RETURNS TO SURFACE. WAIT 1.5 HOURS ON CEMENT, CEMENT DOWN BACKSIDE W/ 150 sx (30.7 bbls.) SAME CEMENT NO RETURNS TO SURFACE. WAIT 1.5 HOURS ON CEMENT, CEMENT DOWN BACKSIDE W/ 150 sx (30.7 bbls.) SAME CEMENT NO RETURNS TO SURFACE. WAIT 1.5 HOURS ON CEMENT, CEMENT DOWN BACKSIDE W/ 150 sx (30.7 bbls.) SAME CEMENT NO RETURNS TO SURFACE. WAIT 1.5 HOURS ON CEMENT, CEMENT DOWN BACKSIDE W/ 150 sx (30.7 bbls.) SAME CEMENT NO RETURNS TO SURFACE. WAIT 1.5 HOURS ON CEMENT, CEMENT DOWN BACKSIDE W/ 150 sx (30.7 bbls.) SAME CEMENT NO RETURNS TO SURFACE. WAIT 1.5 HOURS ON CEMENT, CEMENT DOWN BACKSIDE W/ 150 sx (30.7 bbls.) SAME CEMENT NO RETURNS TO SURFACE. WAIT 1.5 HOURS ON CEMENT, CEMENT DOWN BACKSIDE W/ 100 sx (20.4 bbls.) SAME CEMENT 3 BBLS RETURNS TO SURFACE. RIG DOWN CEMENTERS. (CEMENT JOB FINISHED AT 10:30 hrs. 09/19/2012) RELEASE RIG AT 21:30 hrs. 09/18/2012
11/1/2012	0:00 - 6:00	6.00	MIRU3	01	G	P		LEVEL 3 DERRICK INSPECTION,LAY OVER DERRICK PREP DERRICK FOR INSPECTION,WASH WELDS AND SO THEY COULD SEE THEM.
	6:00 - 18:00	12.00	MIRU3	01	G	P		LEVEL 3 DERRICK INSPECTION, INSPECTOR CAME AND LOOKED AT WELDS,RIG WELDERS WELDED ON MUD TANKS.
	18:00 - 0:00	6.00	MIRU3	01	G	P		BRINKERHOFF INSPECTION. INSPECTED (STAND PIPE) AND ALL COMPONENTS AND FOUND ONE BAD SECTION THAT NEEDS REPLACED. THE STAND PIPE UTI TEST PASSED WITH A .647/.660 THICKNESS. CONTINUE TO RIG DOWN RIG , PREP FOR RIG MOVE.
11/2/2012	0:00 - 6:00	6.00	MIRU3	01	G	P		LEVEL 3 DERRICK INSPECTION, INSPECTED TRAVELING BLOCKS AND DERRICK PINS WELDED NEW PLATE ON RIG FLOOR.
	6:00 - 18:00	12.00	MIRU3	01	G	P		LEVEL 3 DERRICK INSPECTION, INSPECTOR CAME AND LOOKED AT WELDS, FIXED WELDS ON TOP DRIVE AND OTHER DERRICK PARTS.
	18:00 - 0:00	6.00	MIRU3	01	G	P		CONTINUE TO RIG DOWN RIG , PREP FOR RIG FOR 1/2 MILE MOVE. TO THE BON 1023-5 D PAD (NO POWER LINES)

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
Event: DRILLING	Start date: 8/30/2012		End date: 11/15/2012
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
11/3/2012	0:00 - 6:30	6.50	MIRU3	01	G	P		CONTINUE TO RIG DOWN RIG , PREP FOR RIG FOR 1/2 MILE MOVE. TO THE BON 1023-5 D PAD (NO POWER LINES)
	6:30 - 14:00	7.50	MIRU3	01	A	P		HELD PRE JOB SAFETY MEETING WITH JONES TRUCKING,LOAD OUT AND MOVE TO THE BONANZA 1023-5D PAD/ SET IN ALL EQUIPMENT AND BEGIN RIGGING UP / 1/2 MILE MOVE JD : 3 WATER TRUCKS 1 BED TRUCK (MOVING MUD) JD: 1 BACKHOE, 1 DUMP TRUCK, 2 ROUSTABOUT JD: 1 DITCH WITCH, 2 ROUSTABOUTS RW JONES: 5 BED TRUCKS, 1 HAUL TRUCKS, 2 FORKLIFTS, 2 PUSHERS, AND 3 SWAMPERS TRUCKS ARRIVED @ 06:30 AND LEFT @14:00 XTREME HAD 2 EXTRA RIG HANDS ON SITE FOR THE MOVE.
	14:00 - 18:00	4.00	MIRU3	01	B	P		RIG UP LIGHTS AND ELECTRICAL AND HYDRAULICS. RAISE DOG HOUSE AND DERRICK, SET CATWALK, RIG UP WATER, AIR LINES, 4" MUD LINES. RIG UP TONGS, PIPE SPINNERS, MISCELLANEOUS FLOOR EQUIPMENT
	18:00 - 21:00	3.00	MIRU3	01	B	P		FINISH RIG UP, ENSURE ALL BUILDINGS ARE GROUNDED, WALK WAYS AND STAIRS ARE IN POSITION, HAND RAILS AND TOE BOARDS INSTALLED.
	21:00 - 0:00	3.00	PRPSPD	14	A	P		NIPPLE UP BOPE. TIGHTEN CAMERON QUICK FLANGE. HAMMER UP CHOKE LINE,INSTALL CARBON TRACKER IN FLAIR LINES AND RIG UP, FLAIR STACK, RIG UP FLOW LINE.
11/4/2012	0:00 - 6:00	7.00	PRPSPD	15	A	P		HOLD SAFETY MEETING. TEST TOP DRIVE VALVE, I-BOP VALVE, FLOOR VALVE, DART VALVE, PIPE AND BLIND RAMS, INSIDE AND OUTSIDE KILL LINE VALVES INSIDE OUTSIDE CHOKE LINE VALVE, HCR VALVE, CHOKE LINE, CHOKE MANIFOLD VALVES AND CHOKES TO 5000 PSI FOR 10 MINUTES AND 250 PSI FOR 5 MINUTES. TEST ANNULLAR TO 2500 PSI FOR 10 MIN AND 250 PSI FOR 5 MINUTES. TESTING CASING TO 1500 PSI FOR 30 MINUTES.
	6:00 - 6:30	0.50	PRPSPD	14	B	P		SET WEAR BUSHING
	6:30 - 7:00	0.50	PRPSPD	23		P		STRAP BHA ,PRE SPUD INSPECTION
	7:00 - 10:00	3.00	PRPSPD	06	A	P		PICKED UP DIR TOOLS /SCRIBED THE BHA TRIPPED IN THE HOLE WITH THE DIRECTIONAL ASSEMBLY AND THE HEAVY WEIGHT DRILL PIPE.
	10:00 - 11:00	1.00	PRPSPD	09	A	P		SLIPPED AND CUT 50' OF DRILLING LINE
	11:00 - 11:30	0.50	PRPSPD	14	B	P		INSTALLED THE DRILLING RUBBER
	11:30 - 12:30	1.00	PRPSPD	06	A	P		TRIPPED IN THE HOLE AND TAGGED CEMENT AT 2332"
	12:30 - 13:30	1.00	PRPSPD	07	A	P		RUN / CHECK OUT THE PUMPS AND MUD LINES // RIG SERVICE
	13:30 - 14:30	1.00	DRLPRC	02	B	P		DRILLED OUT THE SHOE TRACK

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
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Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	14:30 - 18:00	3.50	DRLPRC	02	B	P		DRILL SLIDE 2509' - 2912' (403' @ 115.1'/HR) WEIGHT ON BIT 12-18K. AVERAGE WEIGHT ON BIT 16K. ROTARY RPM 50, MUD MOTOR RPM 166. STROKES PER MINUTE 115 GALLONS PER MINUTE 517. OFF/ON PSI 1500 / 2100. DIFFERENTIAL 600. TORQUE HIGH/LOW 4500/3000. OFF BOTTOM TORQUE 2500 STRING WEIGHT UP/DOWN/ROT 75/60/65. DRAG 10K. BIT POSITION : 2' HIGH & 2' LEFT OF PLAN LINE SLIDE 50' AT 86'/HR. SLIDE 20.59% ROTATE 79.41%. NOV RUNNING CONE WITH 2 CENTRIFUGES ON DEWATER. WT 8.6 VIS 26. USED 25 BBLS DRILL WATER FOR HOLE VOLUME. LOST 25 BBLS DRILL WATER INTO FORMATION. (LOSING 7 BBLS HR) PUMP LCM SWEEPS TO HELP WITH LOSSES. (ADD 0 BBLS OF DRILL WATER TO PITS FOR VOLUME) NO FLARE
	18:00 - 0:00	6.00	DRLPRC	02	B	P		DRILL SLIDE 2912' - 3841' (929' @ 154'/HR) WEIGHT ON BIT 12-18K. AVERAGE WEIGHT ON BIT 16K. ROTARY RPM 50, MUD MOTOR RPM 166. STROKES PER MINUTE 115 GALLONS PER MINUTE 517. OFF/ON PSI 1500 / 2100. DIFFERENTIAL 600. TORQUE HIGH/LOW 5000/3000. OFF BOTTOM TORQUE 2500 STRING WEIGHT UP/DOWN/ROT 100/80/90. DRAG 10K. BIT POSITION : 17' LOW & 7' LEFT OF PLAN LINE SLIDE 72' AT 78.6'/HR. SLIDE 15.28% ROTATE 84.72%. NOV RUNNING CONE WITH 2 CENTRIFUGES ON DEWATER. WT 8.6 VIS 26. USED 55 BBLS DRILL WATER FOR HOLE VOLUME. LOST 100 BBLS DRILL WATER INTO FORMATION. (LOSING 16 BBLS HR) PUMP LCM SWEEPS TO HELP WITH LOSSES. (ADD 155 BBLS OF DRILL WATER TO PITS FOR VOLUME) NO FLARE

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
Event: DRILLING	Start date: 8/30/2012		End date: 11/15/2012
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
11/5/2012	0:00 - 5:30	5.50	DRLPRC	02	B	P		DRILL SLIDE 3841' - 4502' (661' @ 110.2'/HR) WEIGHT ON BIT 12-18K. AVERAGE WEIGHT ON BIT 16K. ROTARY RPM 50, MUD MOTOR RPM 166. STROKES PER MINUTE 115 GALLONS PER MINUTE 517. OFF/ON PSI 1600 / 2150. DIFFERENTIAL 550. TORQUE HIGH/LOW 5500/4000. OFF BOTTOM TORQUE 3500 STRING WEIGHT UP/DOWN/ROT 100/80/90. DRAG 10K. BIT POSITION : 14.96N & 16.64'W OF TARGET CENTER SLIDE 44' AT 75.5'/HR. SLIDE 10.61% ROTATE 89.39%. NOV RUNNING CONE WITH 2 CENTRIFUGES ON DEWATER. WT 8.6 VIS 26. USED 40 BBLS DRILL WATER FOR HOLE VOLUME. LOST 70 BBLS DRILL WATER INTO FORMATION. (LOSING 13 BBLS HR) PUMP LCM SWEEPS TO HELP WITH LOSSES. (ADD 160 BBLS OF DRILL WATER TO PITS FOR VOLUME) NO FLARE
	5:30 - 6:00	0.50	DRLPRC	07	A	P		RIG SERVICE
	6:00 - 6:30	0.50	DRLPRC	08	A	Z		***FAILURE: RIG EQUIPMENT - (TOP DRIVE) WORKING ON TOP DRIVE BLOWER MOTOR
	6:30 - 11:30	5.00	DRLPRV	02	B	P		DRILL SLIDE 4502' - 5031' (529' @ 105.8'/HR) WEIGHT ON BIT 12-18K. AVERAGE WEIGHT ON BIT 16K. ROTARY RPM 50, MUD MOTOR RPM 166. STROKES PER MINUTE 115 GALLONS PER MINUTE 517. OFF/ON PSI 1600 / 2150. DIFFERENTIAL 550. TORQUE HIGH/LOW 5500/4000. OFF BOTTOM TORQUE 3500 STRING WEIGHT UP/DOWN/ROT 105/85/95. DRAG 10K. BIT POSITION : 14.96N & 16.64'W OF TARGET CENTER SLIDE 44' AT 75.5'/HR. SLIDE 10.61% ROTATE 89.39%. NOV RUNNING CONE WITH 2 CENTRIFUGES ON DEWATER. WT 8.6 VIS 34. USED 30 BBLS DRILL WATER FOR HOLE VOLUME. LOST 40 BBLS DRILL WATER INTO FORMATION. (LOSING 8 BBLS HR) PUMP LCM SWEEPS TO HELP WITH LOSSES. (ADD 40 BBLS OF DRILL WATER TO PITS FOR VOLUME) LIGHT MUD UP @ 5000' 35 VIS 8.8 MW /NOV RUNNING CONVENTIONAL NO FLARE
	11:30 - 12:00	0.50	DRLPRV	05	C	P		CIRCULATE BOTTOMS UP PRIOR TO TRIPPING

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
Event: DRILLING	Start date: 8/30/2012		End date: 11/15/2012
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	12:00 - 17:30	5.50	DRLPRV	06	A	P		TRIPPED OUT OF THE HOLE AND PICKED UP THE GHOST REAMER. INSTALLED THE REAMER 2027' ABOVE THE BIT.
	17:30 - 18:00	0.50	DRLPRV	07	A	P		RIG SERVICE
	18:00 - 0:00	6.00	DRLPRV	02	B	P		DRILL SLIDE 5031' -5479' (448' @ 74.6'/HR) WEIGHT ON BIT 14-18K. AVERAGE WEIGHT ON BIT 17K. ROTARY RPM 50, MUD MOTOR RPM 166. STROKES PER MINUTE 115 GALLONS PER MINUTE 517. OFF/ON PSI 1700 / 2050. DIFFERENTIAL 300. TORQUE HIGH/LOW 5500/4000. OFF BOTTOM TORQUE 3500 STRING WEIGHT UP/DOWN/ROT 120/90/100. DRAG 20K. BIT POSITION : 15N & 8'W OF TARGET CENTER SLIDE 0' AT 0'/HR. SLIDE 0% ROTATE 100%. NOV RUNNING WITH 1 CENTRIFUGES CONVENTIONAL. WT 9.0 VIS 36. USED 30 BBLS DRILL WATER FOR HOLE VOLUME. LOST 105 BBLS DRILL WATER INTO FORMATION. (LOSING 17 BBLS HR) PUMP LCM SWEEPS TO HELP WITH LOSSES. (ADD 135 BBLS OF DRILL WATER TO PITS FOR VOLUME) NO FLARE
11/6/2012	0:00 - 5:30	5.50	DRLPRV	02	B	P		DRILL SLIDE 5479' - 5802' (323' @ 58.7'/HR) WEIGHT ON BIT 14-20K. AVERAGE WEIGHT ON BIT 18K. ROTARY RPM 50, MUD MOTOR RPM 166. STROKES PER MINUTE 115 GALLONS PER MINUTE 517. OFF/ON PSI 1700 / 2050. DIFFERENTIAL 300. TORQUE HIGH/LOW 5500/4000. OFF BOTTOM TORQUE 3500 STRING WEIGHT UP/DOWN/ROT 120/90/100. DRAG 20K. BIT POSITION : 15N & 8'W OF TARGET CENTER SLIDE 15' AT 45'/HR. SLIDE 5.56% ROTATE 94.44%. NOV RUNNING WITH 1 CENTRIFUGES CONVENTIONAL. WT 9.0 VIS 36. USED 20 BBLS DRILL WATER FOR HOLE VOLUME. LOST 25 BBLS DRILL WATER INTO FORMATION. (LOSING 4 BBLS HR) PUMP LCM SWEEPS TO HELP WITH LOSSES. (ADD 45 BBLS OF DRILL WATER TO PITS FOR VOLUME) NO FLARE
	5:30 - 6:00	0.50	DRLPRV	07	A	P		RIG SERVICE

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
Event: DRILLING	Start date: 8/30/2012		End date: 11/15/2012
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	6:00 - 14:00	8.00	DRLPRV	02	B	P		DRILL SLIDE 5802' - 6288' (486' @ 60.75'/HR) WEIGHT ON BIT 17-22K. AVERAGE WEIGHT ON BIT 20K. ROTARY RPM 50, MUD MOTOR RPM 166. STROKES PER MINUTE 115 GALLONS PER MINUTE 517. OFF/ON PSI 1750 / 2000. DIFFERENTIAL 250. TORQUE HIGH/LOW 10000/5000. OFF BOTTOM TORQUE 3500 STRING WEIGHT UP/DOWN/ROT 155/100/120. DRAG 35K. BIT POSITION : 13.01' N 4.47' W OF TARGET CENTER SLIDE 15' AT 45'/HR. SLIDE 5.56% ROTATE 94.44%. NOV RUNNING WITH 1 CENTRIFUGES CONVENTIONAL. WT 9.0 VIS 36. USED 30 BBLS DRILL WATER FOR HOLE VOLUME. LOST 20 BBLS DRILL WATER INTO FORMATION. (LOSING 4 BBLS HR) PUMP LCM SWEEPS TO HELP WITH LOSSES. (ADD 50 BBLS OF DRILL WATER TO PITS FOR VOLUME) NO FLARE
	14:00 - 14:30	0.50	DRLPRV	07	A	P		RIG SERVICE
	14:30 - 16:30	2.00	DRLPRV	08	A	Z		***FAILURE: RIG EQUIPMENT - (MAN RIDER) REPAIR THE MAN RIDER.
	16:30 - 0:00	7.50	DRLPRV	02	B	P		DRILL SLIDE 6288' - 6561'(273' @ 36.4'/HR) WEIGHT ON BIT 17-22K. AVERAGE WEIGHT ON BIT 20K. ROTARY RPM 50, MUD MOTOR RPM 166. STROKES PER MINUTE 115 GALLONS PER MINUTE 517. OFF/ON PSI 1950 / 2250. DIFFERENTIAL 300. TORQUE HIGH/LOW 11000/5000. OFF BOTTOM TORQUE 4000 STRING WEIGHT UP/DOWN/ROT 160/110/120. DRAG 40K. BIT POSITION : 12' N 3' W OF TARGET CENTER SLIDE 0' AT 0'/HR. SLIDE 0% ROTATE 100%. NOV RUNNING WITH 1 CENTRIFUGES CONVENTIONAL. WT 9.1 VIS 36. USED 20 BBLS DRILL WATER FOR HOLE VOLUME. LOST 30 BBLS DRILL WATER INTO FORMATION. (LOSING 4 BBLS HR) PUMP LCM SWEEPS TO HELP WITH LOSSES. (ADD 50 BBLS OF DRILL WATER TO PITS FOR VOLUME) NO FLARE

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
Event: DRILLING	Start date: 8/30/2012		End date: 11/15/2012
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
11/7/2012	0:00 - 5:30	5.50	DRLPRV	02	B	P		DRILL SLIDE 6561'- 6820' (259' @ 47'/HR) WEIGHT ON BIT 17-22K. AVERAGE WEIGHT ON BIT 20K. ROTARY RPM 50, MUD MOTOR RPM 166. STROKES PER MINUTE 115 GALLONS PER MINUTE 517. OFF/ON PSI 1950 / 2250. DIFFERENTIAL 300. TORQUE HIGH/LOW 8000/5000. OFF BOTTOM TORQUE 4000 STRING WEIGHT UP/DOWN/ROT 160/110/125. DRAG 35K. BIT POSITION : 10' N 0' W OF TARGET CENTER SLIDE 12' AT 20.6'/HR. SLIDE 10.61% ROTATE 89.39%. NOV RUNNING WITH 1 CENTRIFUGES CONVENTIONAL. WT 9.1 VIS 36. USED 20 BBLS DRILL WATER FOR HOLE VOLUME. LOST 30 BBLS DRILL WATER INTO FORMATION. (LOSING 6 BBLS HR) PUMP LCM SWEEPS TO HELP WITH LOSSES. (ADD 50 BBLS OF DRILL WATER TO PITS FOR VOLUME) NO FLARE
	5:30 - 6:00	0.50	DRLPRV	07	A	P		RIG SERVICE
	6:00 - 17:30	11.50	DRLPRV	02	B	P		DRILL SLIDE 6820' - 7220' (400' @ 34.8'/HR) WEIGHT ON BIT 17-24K. AVERAGE WEIGHT ON BIT 21K. ROTARY RPM 40, MUD MOTOR RPM 151. STROKES PER MINUTE 105 GALLONS PER MINUTE 473. OFF/ON PSI 1850 / 2100. DIFFERENTIAL 250. TORQUE HIGH/LOW 8000/5000. OFF BOTTOM TORQUE 4000 STRING WEIGHT UP/DOWN/ROT 170/120/130. DRAG 40K. BIT POSITION : 10' N 6' W OF TARGET CENTER SLIDE 31' AT 13.7'/HR. SLIDE 19.57% ROTATE 80.43%. NOV RUNNING WITH 1 CENTRIFUGES CONVENTIONAL. WT 9.1 VIS 36. USED 25 BBLS DRILL WATER FOR HOLE VOLUME. LOST 30 BBLS DRILL WATER INTO FORMATION. (LOSING 3 BBLS HR) PUMP LCM SWEEPS TO HELP WITH LOSSES. (ADD 30 BBLS OF DRILL WATER TO PITS FOR VOLUME) NO FLARE
	17:30 - 18:00	0.50	DRLPRV	07	A	P		RIG SERVICE

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
Event: DRILLING	Start date: 8/30/2012		End date: 11/15/2012
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	18:00 - 0:00	6.00	DRLPRV	02	B	P		DRILL SLIDE 7220' -7529' (309' @ 51.5'/HR) WEIGHT ON BIT 17-24K. AVERAGE WEIGHT ON BIT 21K. ROTARY RPM 40, MUD MOTOR RPM 151. STROKES PER MINUTE 105 GALLONS PER MINUTE 473. OFF/ON PSI 1900 / 2250. DIFFERENTIAL 3500. TORQUE HIGH/LOW 6000/4500. OFF BOTTOM TORQUE 4000 STRING WEIGHT UP/DOWN/ROT 175/120/135. DRAG 40K. BIT POSITION : 11' N 14' W OF TARGET CENTER SLIDE 0' AT 0'/HR. SLIDE 0% ROTATE 100%. NOV RUNNING WITH 1 CENTRIFUGES CONVENTIONAL. WT 9.1 VIS 36. USED 20 BBLS DRILL WATER FOR HOLE VOLUME. LOST 10 BBLS DRILL WATER INTO FORMATION. (LOSING 2 BBLS HR) PUMP LCM SWEEPS TO HELP WITH LOSSES. (ADD 70 BBLS OF DRILL WATER TO PITS FOR VOLUME) NO FLARE
11/8/2012	0:00 - 5:30	5.50	DRLPRV	02	B	P		DRILL SLIDE 7529'- 7793' (264' @ 48'/HR) WEIGHT ON BIT 17-24K. AVERAGE WEIGHT ON BIT 21K. ROTARY RPM 40, MUD MOTOR RPM 151. STROKES PER MINUTE 105 GALLONS PER MINUTE 473. OFF/ON PSI 1900 / 2250. DIFFERENTIAL 350. TORQUE HIGH/LOW 6000/4500. OFF BOTTOM TORQUE 4000 STRING WEIGHT UP/DOWN/ROT 180/125/135. DRAG 45K. BIT POSITION : 9' N 16' W OF TARGET CENTER SLIDE 0' AT 0'/HR. SLIDE 0% ROTATE 100%. NOV RUNNING WITH 1 CENTRIFUGES CONVENTIONAL. WT 9.1 VIS 36. USED 15 BBLS DRILL WATER FOR HOLE VOLUME. LOST 35 BBLS DRILL WATER INTO FORMATION. (LOSING 7 BBLS HR) PUMP LCM SWEEPS TO HELP WITH LOSSES. (ADD 60 BBLS OF DRILL WATER TO PITS FOR VOLUME) NO FLARE
	5:30 - 6:00	0.50	DRLPRV	07	A	P		RIG SERVICE

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
Event: DRILLING	Start date: 8/30/2012		End date: 11/15/2012
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	6:00 - 11:00	5.00	DRLPRV	02	B	P		DRILL SLIDE 7793' - 7989' (196' @ 39.2'/HR) WEIGHT ON BIT 17-24K. AVERAGE WEIGHT ON BIT 21K. ROTARY RPM 40, MUD MOTOR RPM 151. STROKES PER MINUTE 105 GALLONS PER MINUTE 473. OFF/ON PSI 1900 / 2250. DIFFERENTIAL 350. TORQUE HIGH/LOW 6000/4500. OFF BOTTOM TORQUE 4000 STRING WEIGHT UP/DOWN/ROT 180/125/135. DRAG 45K. BIT POSITION : 6' N 14' W OF TARGET CENTER SLIDE 0' AT 0'/HR. SLIDE 0% ROTATE 100%. NOV RUNNING WITH 1 CENTRIFUGES CONVENTIONAL. WT 9.3 VIS 37. USED 12 BBLS DRILL WATER FOR HOLE VOLUME. LOST 10 BBLS DRILL WATER INTO FORMATION. (LOSING 2 BBLS HR) PUMP LCM SWEEPS TO HELP WITH LOSSES. (ADD 70 BBLS OF DRILL WATER TO PITS FOR VOLUME) NO FLARE
	11:00 - 11:30	0.50	DRLPRV	05	C	P		CIRCULATE FOR A BIT TRIP
	11:30 - 17:30	6.00	DRLPRV	06	A	X		***FAILURE: BIT FAILURE TRIPPED OUT OF THE HOLE FOR A BIT PUMPED & ROTATED OUT TO 6700' PUMPED AN 11# PILL HOLE WAS TIGHT @ 6000' BIT DEPTH / 4000' REAMER DEPTH PUMPED OUT FROM 6000' TO 5400' THE HOLE WAS SLOUGHING / PACKING OFF LOST 100 BBL. OF MUD DUE TO SLOGHING AND PACKING OFF
	17:30 - 20:00	2.50	DRLPRV	05	B	X		***FAILURE: BIT FAILURE WE STOPPED PUMPING OUT OF THE HOLE TO CIRCULATE AND CLEAN UP THE SLOUGHING SHALE. CIRCULATED THEN PUMPED AROUND 2 SWEEPS. RAISED THE MUD WEIGHT TO 9.9
	20:00 - 0:00	4.00	DRLPRV	06	A	X		***FAILURE: BIT FAILURE PUMPED OUT 3 JOINTS THEN TRIPPED OUT OF THE HOLE TO CHANGE OUT THE MUD MOTOR AND BIT.
11/9/2012	0:00 - 2:00	2.00	DRLPRV	06	A	X		***FAILURE: BIT FAILURE TRIPPED OUT FOR A BIT BIT GRADING: 8-1-RO 5/16 OUT OF GUAGE
	2:00 - 5:30	3.50	DRLPRV	06	A	X		***FAILURE: MUD MOTOR CHANGED OUT THE MUD MOTOR AND BIT, SCRIBED THE BHA , TRIPPED BACK IN THE HOLE
	5:30 - 6:00	0.50	DRLPRV	07	A	X		RIG SERVICE
	6:00 - 11:00	5.00	DRLPRV	06	A	X		***FAILURE: BIT FAILURE CONTINUED TRIPPING IN THE HOLE TO 6380'. WASHED BRIDGES AT 4428', 4580', 4991'.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
Event: DRILLING	Start date: 8/30/2012		End date: 11/15/2012
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	11:00 - 0:00	13.00	DRLPRV	03	E	X		***FAILURE: BIT FAILURE WE HAD TO WASH AND REAM FROM 6380' (REAMER DEPTH 4380') THE HOLE WASH PRESSURING UP AND TORQING UP. I TALKED WITH KENNY GATHINGS AND GOT THE OK TO RAISE THE MUD WEIGHT. WE DISPLACED WITH OUR HEAVIER MUD AND RAISED THE MUD WEIGHT FROM 10.0# TO 11.0# THEN TO 11.3 # . THE HOLE CONTINUE TO HAVE TORQUE AND SLOUGHING ISSUES UNTILL THE MUD WEIGHT WAS UP AND WE GOT TO 7100' FROM 7100' - TO 7830' IT WENT IN PRETTY SMOOTH FROM 7880' - 7989' WE REAMED UNDERGUAGE HOLE WITH 5-10K WE CONTINUED WASHING AND REAMING TO 7940'
11/10/2012	0:00 - 1:00	1.00	DRLPRV	03	E	X		***FAILURE: BIT FAILURE REAMED UNDER GUAGE HOLE FROM 7940' - 7989'
	1:00 - 5:00	4.00	DRLPRV	02	B	P		DRILL FROM 7989'- 8039'(50' @ 12.5'/HR) WEIGHT ON BIT 12-24K. AVERAGE WEIGHT ON BIT 17K. ROTARY RPM 40, MUD MOTOR RPM 65. STROKES PER MINUTE 90 GALLONS PER MINUTE 405. OFF/ON PSI 1750 / 2560. DIFFERENTIAL 800. TORQUE HIGH/LOW 12000/4500. OFF BOTTOM TORQUE 4000 STRING WEIGHT UP/DOWN/ROT 180/125/135. DRAG 45K. BIT POSITION : 6' N 14' W OF TARGET CENTER SLIDE 0' AT 0'/HR. SLIDE 0% ROTATE 100%. NOV RUNNING WITH 1 CENTRIFUGES CONVENTIONAL. WT 11.4 VIS 42. USED 3 BBLS DRILL WATER FOR HOLE VOLUME. LOST 10 BBLS DRILL WATER INTO FORMATION. (LOSING 2 BBLS HR) PUMP LCM SWEEPS TO HELP WITH LOSSES. (ADD 70 BBLS OF DRILL WATER TO PITS FOR VOLUME) NO FLARE I CALLED AND TALKED WITH LOVEL ABOUT THE BIT. IT HAD STARTED OF WITH LIGHT WEIGHT AND 28-50'/HR ROP. IT SLOWED DOWN TO 8-10'HR. wE DECIDED TO GET IT OUT. WHILE I WAS ON THE PHONE WE STARTED LOOSING PUMP PRESSURE.
	5:00 - 14:30	9.50	DRLPRV	06	A	X		***FAILURE: BIT FAILURE WE TRIPPED OUT TO PICK UP A NEW BIT AND MOTOR WE TRIPPED OUT OF THE HOLE WET TO LOOK FOR A HOLE IN THE PIPE . WE FOUND THE HOLE 6 JTS ABOVE THE GHOST REAMER ABOUT 8" UNDER THE TOOL JOINT UPSET. PUMPED A PILL AND FINISHED TRIPPING OUT.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
Event: DRILLING	Start date: 8/30/2012		End date: 11/15/2012
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	14:30 - 16:30	2.00	DRLPRV	06	A	X		***FAILURE: BIT FAILURE WE PICKED UP AND SCRIBED THE DIRECTIONAL ASSEMBLY THEN RAN IN THE HOLE WITH THE BHA
	16:30 - 17:30	1.00	DRLPRV	09	A	P		CUT AND SLIPPED 47' OF DRILLING LINE
	17:30 - 18:00	0.50	DRLPRV	07	A	P		RIG SERVICE
	18:00 - 0:00	6.00	DRLPRV	06	A	X		***FAILURE: BIT FAILURE TRIPPED IN THE HOLE TO 5714' PICKED UP THE GHOST REAMER FILLED THE PIPE AT THE CASING SHOE (2551) & 4464'.
11/11/2012	0:00 - 1:30	1.50	DRLPRV	06	A	X		***FAILURE: BIT FAILURE TRIPPED IN THE HOLE TO 6998'
	1:30 - 8:30	7.00	DRLPRV	03	E	X		***FAILURE: BIT FAILURE WASHED AND REAMED FROM 6998' - 8039' THE HOLE WAS STILL SLIGHTLY UNDERGUAGED AND STICKY. WE COULD PUSH THROUGH THE TIGHT SPOTS BUT THEN WE WOULD PRESSURE UP / MAX OUT ON TORQUE AND HAVE TO WORK IT BACK UP OUT OF IT AFTER A FEW ATTEMPTS WE JUST STOPPED TRYING TO GO THROUGH THEM AND WE JUST MADE CONNECTIONS AND WASHED DOWN AS NEEDED. WE WOULD HIT ABOUT 2 AREAS PER 100' THAT WE WOULD HAVE TO WASH THROUGH. WE REAMED THE LAST 30' TO BOTTOM WITH NO MORE THAN 2-3K WOB AS NOT WIPE OUT OUR SHOULDER CUTTERS ON THE BIT BEFORE WE MADE IT TO BOTTOM.
	8:30 - 9:00	0.50	DRLPRV	02	B	P		DRILL FROM 8039' - 8062' (23' @ 46'/HR) WEIGHT ON BIT 12-24K. AVERAGE WEIGHT ON BIT 17K. ROTARY RPM 50, MUD MOTOR RPM 65. STROKES PER MINUTE 95 GALLONS PER MINUTE 428. OFF/ON PSI 2550 / 2850. DIFFERENTIAL 300. TORQUE HIGH/LOW 7000/4500. OFF BOTTOM TORQUE 4000 STRING WEIGHT UP/DOWN/ROT 180/125/135. DRAG 45K. BIT POSITION : 6' N 14' W OF TARGET CENTER SLIDE 0' AT 0'/HR. SLIDE 0% ROTATE 100%. NOV RUNNING WITH 1 CENTRIFUGES CONVENTIONAL. WT 11.4 VIS 42. USED 3 BBLS DRILL WATER FOR HOLE VOLUME. LOST 0 BBLS DRILL WATER INTO FORMATION. (LOSING 2 BBLS HR) PUMP LCM SWEEPS TO HELP WITH LOSSES. (ADD 70 BBLS OF DRILL WATER TO PITS FOR VOLUME)
	9:00 - 10:00	1.00	DRLPRV	07	A	P		RIG SERVICE

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
Event: DRILLING	Start date: 8/30/2012		End date: 11/15/2012
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	10:00 - 18:00	8.00	DRLPRV	02	B	P		DRILL FROM 8062' - 8435' (373' @ 46.6'/HR) WEIGHT ON BIT 17-20K. AVERAGE WEIGHT ON BIT 19K. ROTARY RPM 50, MUD MOTOR RPM 68. STROKES PER MINUTE 95 GALLONS PER MINUTE 428. OFF/ON PSI 2550 / 2850. DIFFERENTIAL 300. TORQUE HIGH/LOW 7000/4500. OFF BOTTOM TORQUE 4000 STRING WEIGHT UP/DOWN/ROT 185/130/140. DRAG 45K. BIT POSITION : 1' S 8' W OF TARGET CENTER SLIDE 0' AT 0'/HR. SLIDE 0% ROTATE 100%. NOV RUNNING WITH 1 CENTRIFUGES CONVENTIONAL. WT 11.5 VIS 42. USED 20 BBLS DRILL WATER FOR HOLE VOLUME. LOST 20 BBLS DRILL WATER INTO FORMATION. (LOSING 2.5 BBLS HR) PUMP LCM SWEEPS TO HELP WITH LOSSES. (ADD 20 BBLS OF DRILL WATER TO PITS FOR VOLUME) CALLED MI SWACO OUT TO CHECK THE CARBON TRACKER AS THE MOLECULAR WEIGHT WAS NOT MONITORING CORRECTLY.
	18:00 - 0:00	6.00	DRLPRV	02	B	P		DRILL FROM 8435' - 8770' (335' @ 55.8'/HR) WEIGHT ON BIT 17-20K. AVERAGE WEIGHT ON BIT 19K. ROTARY RPM 50, MUD MOTOR RPM 68. STROKES PER MINUTE 95 GALLONS PER MINUTE 428. OFF/ON PSI 2600 / 2900. DIFFERENTIAL 300. TORQUE HIGH/LOW 7000/4500. OFF BOTTOM TORQUE 4000 STRING WEIGHT UP/DOWN/ROT 185/130/140. DRAG 45K. BIT POSITION : 7' S 2' W OF TARGET CENTER SLIDE 0' AT 0'/HR. SLIDE 0% ROTATE 100%. NOV RUNNING WITH 1 CENTRIFUGES CONVENTIONAL. WT 11.5 VIS 42. USED 20 BBLS DRILL WATER FOR HOLE VOLUME. LOST 20 BBLS DRILL WATER INTO FORMATION. (LOSING 3 BBLS HR) PUMP LCM SWEEPS TO HELP WITH LOSSES. (ADD 80 BBLS OF DRILL WATER TO PITS FOR VOLUME) TALKED WITH BRIAN COCCHIERE AND HE WOULD LIKE 2 WIPER TRIPS FOR LOGS PULLING THE GHOST REAMER TO THE SHOE THEN GOING BACK TO BOTTOM ON EACH TRIP.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
Event: DRILLING	Start date: 8/30/2012		End date: 11/15/2012
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
11/12/2012	0:00 - 0:30	0.50	DRLPRV	02	B	P		DRILL FROM 8770'-8790' (20' @ 40'/HR) WEIGHT ON BIT 17-20K. AVERAGE WEIGHT ON BIT 19K. ROTARY RPM 50, MUD MOTOR RPM 68. STROKES PER MINUTE 95 GALLONS PER MINUTE 428. OFF/ON PSI 2600 / 2900. DIFFERENTIAL 300. TORQUE HIGH/LOW 7000/4500. OFF BOTTOM TORQUE 4000 STRING WEIGHT UP/DOWN/ROT 185/130/140. DRAG 45K. BIT POSITION : 11' S 3' E W OF TARGET CENTER SLIDE 0' AT 0'/HR. SLIDE 0% ROTATE 100%. NOV RUNNING WITH 1 CENTRIFUGES CONVENTIONAL. WT 11.5 VIS 42. USED 20 BBLS DRILL WATER FOR HOLE VOLUME. LOST 20 BBLS DRILL WATER INTO FORMATION. (LOSING 3 BBLS HR) PUMP LCM SWEEPS TO HELP WITH LOSSES. (ADD 80 BBLS OF DRILL WATER TO PITS FOR VOLUME)
	0:30 - 2:30	2.00	DRLPRV	05	C	P		CIRCULATE AND CONDITION PRIOR TO WIPER TRIP #1 PUMPED 2 SWEEPS TO CLEAN UP THE HOLE(50 VIS, 5% FIBER NUTPLUG LCM) 11.6 MW 42 VIS
	2:30 - 11:30	9.00	DRLPRV	06	E	P		MADE WIPER TRIP # 1 PULLED THE GHOST REAMER INTO THE CASING SHOE. TRIPPED BACK IN TO 5950' FILLED THE PIPE
	11:30 - 12:00	0.50	DRLPRV	07	A	P		RIG SERVICE
	12:00 - 13:30	1.50	DRLPRV	06	E	P		FINISHED WIPER TRIP #1 TRIPPED TO BOTTOM NO FILL
	13:30 - 15:30	2.00	DRLPRV	05	C	P		***SECOND WIPER TRIP CIRCULATE AND CONDITION PRIOR TO WIPER TRIP #2 11.8 MW 43 VIS 3-4' FLARE ON BOTTOMS UP (OFF THE BUSTER)
	15:30 - 22:30	7.00	DRLPRV	06	E	P		***SECOND WIPER TRIP TRIPPED OUT TO PULL THE GHOST REAMER INSIDE OF THE CASING SHOE. THEN FILLED THE DRILL PIPE AND TRIPPED BACK IN THE HOLE. FILLED THE HOLE @ 6500'
	22:30 - 0:00	1.50	DRLPRV	05	C	P		CIRCULATE AND CONDITION FOR LOGS PUMP A SWEEP THEN PUMPED 4% LCM (CEDAR FIBER, NUTPLUG) AROUNG TO SURFACE 10' FLARE ON BOTTOMS UP (ON THE BUSTER)
11/13/2012	0:00 - 0:30	0.50	DRLPRV	05	C	P		CIRCULATE PRIOR TO TRIPPING OUT FOR LOGS
	0:30 - 9:30	9.00	DRLPRV	06	A	P		TRIPPED OUT OF THE HOLE FOR LOGS. PUMPED OUT TO 7990' THE DRILL STRING PULLED FREE WITH NO TIGHT SPOTS ON THE TRIP OUT.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
Event: DRILLING	Start date: 8/30/2012		End date: 11/15/2012
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	9:30 - 15:00	5.50	DRLPRV	11	D	P		HELD A SAFETY MEETING WITH HALLIBURTON. RIGGED UP THE LOGGING TOOLS AND EQUIPMENT .RAN TRIPLE COMBO LOG. DRILLERS TD 8790' LOGGERS TD 8793'
	15:00 - 15:30	0.50	DRLPRV	07	A	P		RIG SERVICE AND PULL THE WEAR BUSHING
	15:30 - 0:00	8.50	DRLPRV	12	C	P		HELD A SAFETY MEETING WITH KIMZEY CASING. RIGGED UP THE CASING TOOLS RAN 200 TOTAL JTS. OF CASING (83 JOINTS OF 4.5"/11.6# / I-80/ LTC + 1 MARKER) + (113 JTS. OF 4.5"/ 11.6#/ I-80/ DQX) + (1-DQX CROSS OVER). LANDED @ 8749.09', FLOAT COLLAR @ 8702.02', MESA VERDE MARKER @ 6538.84', CROSS OVER JT. @ 4972.15'. DEPTH AT MIDNIGHT 6371'
11/14/2012	0:00 - 9:00	9.00	DRLPRV	12	C	X		***FAILURE: SLOUGHING AND BRIDGES FINISHED THE CASING RUN FROM 6371' WE PUMPED THROUGH AND CHECKED THE FLOAT EQUIPMENT WITH 5 JOINTS PICKED UP / FILLED THE PIPE @ 515' AND STOPPED USING THE COLLAR CLAMP / AT 1800' WE INSTALLED THE CASING RUBBER / WE FILLED THE CASING AT THE SHOE (2515') . AFTER FILLING THE FLOAT EQUIPMENT WAS NOT HOLDING. / AT 3162' WE STOPPED AND PUMPED DOWN THE CASING TO SEE IF IT WAS AIR IN THE PIPE CAUSING THE FLOWBACK THROUGH THE CASING / WE RAN CASING TO 5424' AND FILLED THE PIPE THERE (60 STROKES 200 PSI) / THE MUD WAS FLOWING BACK THROUGH AGAIN AND WE PUMPED 1 MORE TIME @ 5600' / WE RAN CASING TO 7200' WHERE IT HIT A BRIDGE./ WE INTERMITTENTLY WASHED THE CASING FROM 7200' TO 7360' / AT 7360 ' WE WERE ON A BRIDGE AND THE HOLE STARTED SLOUGHING PACKING OFF ABOVE US AFTER MAKING UP A JOINT OF CASING/ WE WORKED THE PIPE AND BEGAN MIXING MUD, LCM AND BUILDING VOLUME. THE CASING WAS WORKED FREE WITH 140K PICK UP WEIGHT / AFTER BUILDING UP OUR PIT VOLUME AND RAISING THE LCM TO 5%. AT 80 STROKES THE PAYSON READ 380 PSI BUT THE OTHER GUAGES SHOWED 550 PSI./ WE CONTINUED TO RUN IN TO BOTTOM WASHING BRIDGES @ 7220', 7868', 8048', 8161', THEN AS A PRECAUTION WASHED THE LAST 3 JOINTS TO BOTTOM SO WE DID NOT PLUG THE CASING WITH FILL DUE TO THE FAILED FLOAT EQUIPMENT. RAN 200 TOTAL JTS. OF CASING (83 JOINTS OF 4.5"/11.6# / I-80/ LTC + 1 MARKER) + (113 JTS. OF 4.5"/ 11.6#/ I-80/ DQX) + (1-DQX CROSS OVER). LANDED @ 8749.09', FLOAT COLLAR @ 8702.02', MESA VERDE MARKER @ 6538.84', CROSS OVER JT. @ 4972.15'.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
Event: DRILLING	Start date: 8/30/2012		End date: 11/15/2012
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	9:00 - 10:00	1.00	DRLPRV	05	D	P		CIRCULATED THE CASING ON BOTTOM 70 STROKES (380 PSI / PAYSON)(500 PSI / RIG GUAGE)
	10:00 - 13:00	3.00	DRLPRV	12	E	P		PRESSURE TEST TO 5000 PSI. DROPPED THE BOTTOM PLUG, PUMP 25 BBLS OF FRESH WATER. PUMP 190 BBLS (540 SX) OF PREMIUM LITE II LEAD CEMENT,12.5 PPG 1.98 YLD, .05 LB/SACK OF STATIC FREE + .4%BWOC R-3 +.25 LBS/SACK CELLO FLAKE + 5 LBS/SACK KOL-SEAL + .4% BWOC FL-52 + .2%BWOC SODIUM METASILICATE + 6% BWOC BENTONITE + 100.1%FRESH WATER . FOLLOWED BY 268 BBLS (1140 SX) OF 14.3# 1.31 YD 5.91 GAL/SK. POZ 50/50 TAIL CEMENT + 2% BWOC BENTONITEII + .005 LB/SACK STATIC FREE + 10% BWOW SODIUM CHLORIDE + .15%BWOC R-3 + .002GPS FP-6L + 58.7% FRESH WATER . SHUT DOWN AND FLUSH LINES. DROP PLUG AND DISPLACE W/ 136 BBLS OF FRESH WATER TREATED WITH CLAYFIX AND MAGNACIDE. WE HAD CEMENT TO SURFACE AT THE START OF DISPLACEMENT,. WE HAD PARTIAL CEMENT RETURNS (+- 3 BBL./MIN)TO SURFACE. AT 94 BBL. INTO THE DISPLACEMENT THE RETURNS STARTED SLOWING DOWN, LOST RETURNS AT 122 BBL OF DISPLACEMENT GONE./ HIGHEST LIFT PRESSURE WAS 1935 PSI AT 105 BBL. OF DISPLACEMENT AWAY. AT 110 BBL. OF DISPLACEMENT AWAY THE LIFT PRESSURE STARTED DROPPING. FINAL LIFT PSI OF 1458 / WE PUMPED CASING VOLUME + SHOE JT. VOLUME WITHOUT BUMPING THE PLUG . WE BLED BACK TO THE TRUCK AND THE FLOAT WAS NOT HOLDING. BUMPED THE PRESSURE BACK TO 1450 PSI AND SHUT IN THE CEMENT HEAD RIG DOWN CEMENTERS. HOLDING. BUMPED THE PRESSURE BACK TO 1450 PSI AND SHUT IN THE CEMENT HEAD RIG DOWN CEMENTERS. 60 BBLS OF CEMENT TO SURFACE I WAS IN CONTACT WITH LOVEL YOUNG AS SOON AS SEEING THE CEMENT COME BACK TO SURFACE TO SOON. KIM NEILSON WITH BJ ALSO ON SITE.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
Event: DRILLING	Start date: 8/30/2012		End date: 11/15/2012
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	13:00 - 0:00	11.00	DRLPRV	13	A	X		***FAILURE: CEMENT JOB HOLDING 1400 PSI ON THE CASING HEAD WAITING ON CEMENT AND MONITORING CEMENT SAMPLES. CLEANED PITS, REPLACED A CENTRIFUGE THAT LOST THE BEARINGS, CEMENT SAMPLE @ 8HR: LIQUID CEMENT SAMPLE @ 12 HR: LIQUID CEMENT SAMPLE @ 16 HR.: TAIL SETTING UP / LEAD LIKE PUDDING THE NIGHT CREW HAD A VEHICLE ACCIDENT ON THE WAY TO WORK (HWY 45). THE PUSHER WENT OUT AND BROUGHT 3 OF THEM BACK TO THE SITE, 3 HAD TO BE TAKEN TO TOWN TO BE CHECKED AT THE HOSPITAL AND WERE RELEASED LATER. WE HAD 2 GUYS COME OUT OF TOWN TO HELP OUT AROUND 8 PM.
11/15/2012	0:00 - 5:00	5.00	DRLPRV	13	A	X		***FAILURE: CEMENT JOB WE HAD THE CEMENT HEAD SHUT IN WAITING FOR THE SAMPLES TO SET UP. CEMENT SAMPLE @ 12 HR: LIQUID CEMENT SAMPLE @ 16 HR.: TAIL SLIGHTLY FIRM / LEAD LIKE PUDDING
	5:00 - 7:00	2.00	DRLPRV	12	A	X		***FAILURE: CEMENT JOB WE BLED OFF THE PRESSURE ON THE CEMENT HEAD, REMOVED THE CEMENT HEAD INSTALLED A CASING SWEDGE AND A VALVE ON THE CASING AS IT WAS STILL FLOWING BACK.
	7:00 - 8:00	1.00	DRLPRV	14	B	X		***FAILURE: CEMENT JOB SET THE AUXILLARY CASING SLIPS. SET 80 K WEIGHT ON THE SLIPS.
	8:00 - 10:00	2.00	DRLPRV	22	J	X		***FAILURE: CEMENT JOB AFTER SETTING THE SLIP WE OPENED THE VALVE ON TOP OF THE CASING SWEDGE, IT HAD QUITE A BIT OF PRESSURE ON IT AND CONTINUED TO FLOW SO I SHUT IT IN AND HAD THE HANDS START GETTING FITTING TOGETHER TO CHECK THE PRESSURE. I CONTACTED KENNY GATHINGS AND LOVEL YOUNG. WE CHECKED THE BACKSIDE (0 PSI). RIGGED A MANIFOLD ON THE CEMENT HEAD AND CHECKED THE PRESSURE (650 PSI). I GOT BACK WITH KENNY AND WAS TOLD TO MONITOR THE PRESSURE AND WAIT ON ORDERS. WE DID A BUCKET TEST AND OUR BEST ESTIMATE IT WAS FLOWING BACK AT 4 BBL./HR. THE REASON WE COULD NOT SET A TREE AND SKID IS WE WERE DOING THIS PAD IN REVERSE (5,4,3,1,2) AND WE WOULD NOT BE ABLE TO SPOT THE CATWALK OVER A TREE WHEN SKIDDING BACKWARD SINCE WE WERE ARE THE 1ST WELL DRILLED.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: PROPETRO 12/12, XTC 12/12
Event: DRILLING	Start date: 8/30/2012		End date: 11/15/2012
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	10:00 - 13:00	3.00	DRLPRV	21	D	X		***FAILURE: CEMENT JOB WAITING FOR AN ADAPTER TO BE DELIVERED FROM CAMERON SO THE WIRELINE TRUCK WOULD BE ABLE TO SET A BRIDGE PLUG IN THE CASING.
	13:00 - 20:30	7.50	DRLPRV	11	A	X		***FAILURE: CEMENT JOB KENNY GATHINGS ARRIVED TO WITNESS AND HELP WITH THE OPERATION. AFTER GETTING ALL OF THE NEEDED EQUIPMENT ON SITE WE HELD A SAFETY MEETING AND WENT OVER THE OPERATION WITH THE RIG CREW AND 3RD PARTY PERSONEL. WE BLED OFF THE PRESSURE WHICH HAD BUILT TO 750 PSI. AND WAS STILL FLOWING. AT KENNY GATHINGS SUGGESTION WE RIGGED UP AND PUMPED 5 BBL. DOWN THE CASING (ICP/ 1600 PSI, FINAL CIRCULATING PRESSURE 960 PSI). WE RIGGED UP THE FRAC VALVE ADAPTER AND THE WIRELINE TRUCK. 1ST RUN WITH THE TEMP SURVEY TOOL STACKED OUT AT 6600'. THE HOLE WAS NOT SPOTTED AT THIS POINT BUT IS SUSPECTED BY TO BE JUST UNDER THE CEMENT PLUG. 2ND RUN WITH THE 3.7" GUAGE RING STOPPED AT 6314'. 3RD RUN WE SET A COMPOSITE BRIDGE PLUG AT 6280'. RIGGED DOWN THE LUBRICATOR AND FRAC VALVE. 4TH RUN WITH THE BAILER WE SET 2 SACKS OF CEMENT ON THE BRIDGE PLUG. RIGGED DOWN THE WIRELINE TRUCK . THE WELL IS DEAD AND NOT FLOWING AT THIS TIME
	20:30 - 22:00	1.50	DRLPRV	14	A	P		WE CUT OFF THE CASING, AND PREPED TO SKID. RIG RELEASED 11/15/2012 22:00

Sundry Number: 63252 API Well Number: 43047520960000

Project: UTAH - UTM (feet), NAD27, Zone 12N
Site: UINTAH_BONANZA 1023-5D PAD
Well: BONANZA 1023-6A1CS
Wellbore: BONANZA 1023-6A1CS
Section:
SHL:
Design: BONANZA 1023-6A1CS (wp01)
Latitude: 39.983811
Longitude: -109.357731
GL: 5238.00
KB: XTREME 12 15' RKB+GL @ 5253.00ft (XTREME 12)

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1142.00	1153.78	GREEN RIVER
1488.00	1519.02	BIRDS NEST
2014.00	2086.37	MAHOGANY MARKER
4323.00	4484.28	WASATCH
4923.00	5084.29	INTERCEPT TARGET
6453.00	6614.32	MESAVERDE
8624.00	8785.37	SEGO

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WELL DETAILS: BONANZA 1023-6A1CS

+N/-S	+E/-W	Northing	Ground Level: 5238.00 Easting	Latitude	Longitude	Slot
0.00	0.00	14524386.67	2100467.44	39.983811	-109.357731	

CASING DETAILS

TVD	MD	Name	Size
2371.45	2467.00	8-5/8"	8-5/8

T M

Azimuths to True North
Magnetic North: 10.85°

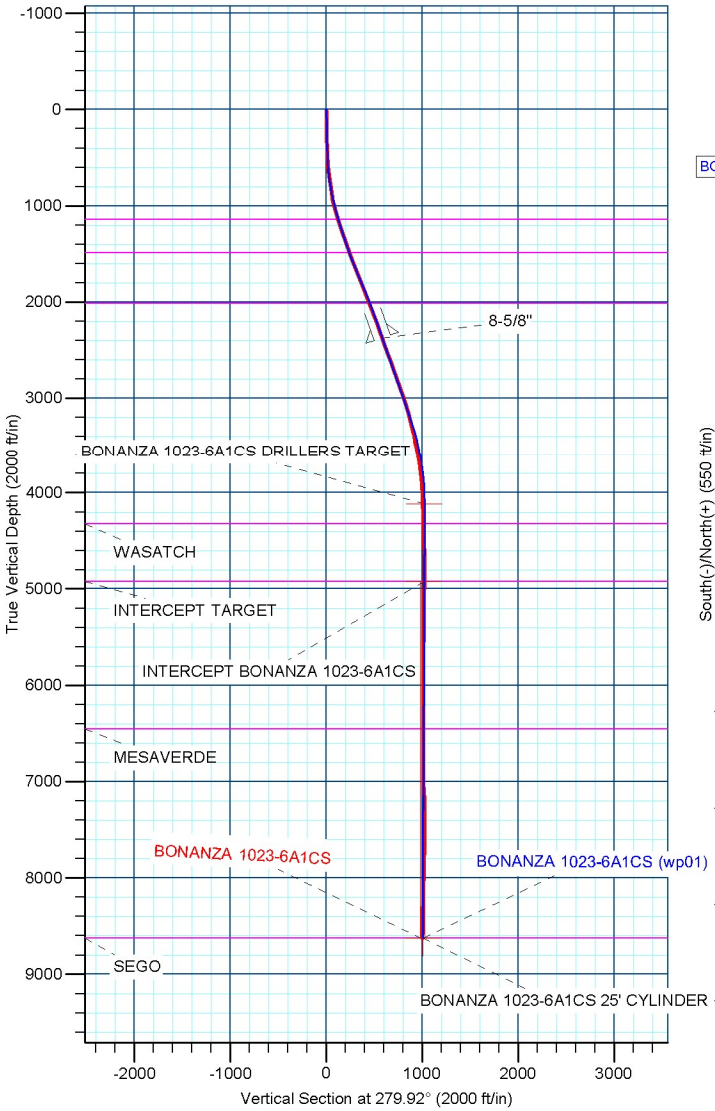
Magnetic Field
Strength: 52210.0snT
Dip Angle: 65.85°
Date: 9/26/2012
Model: IGRF2010

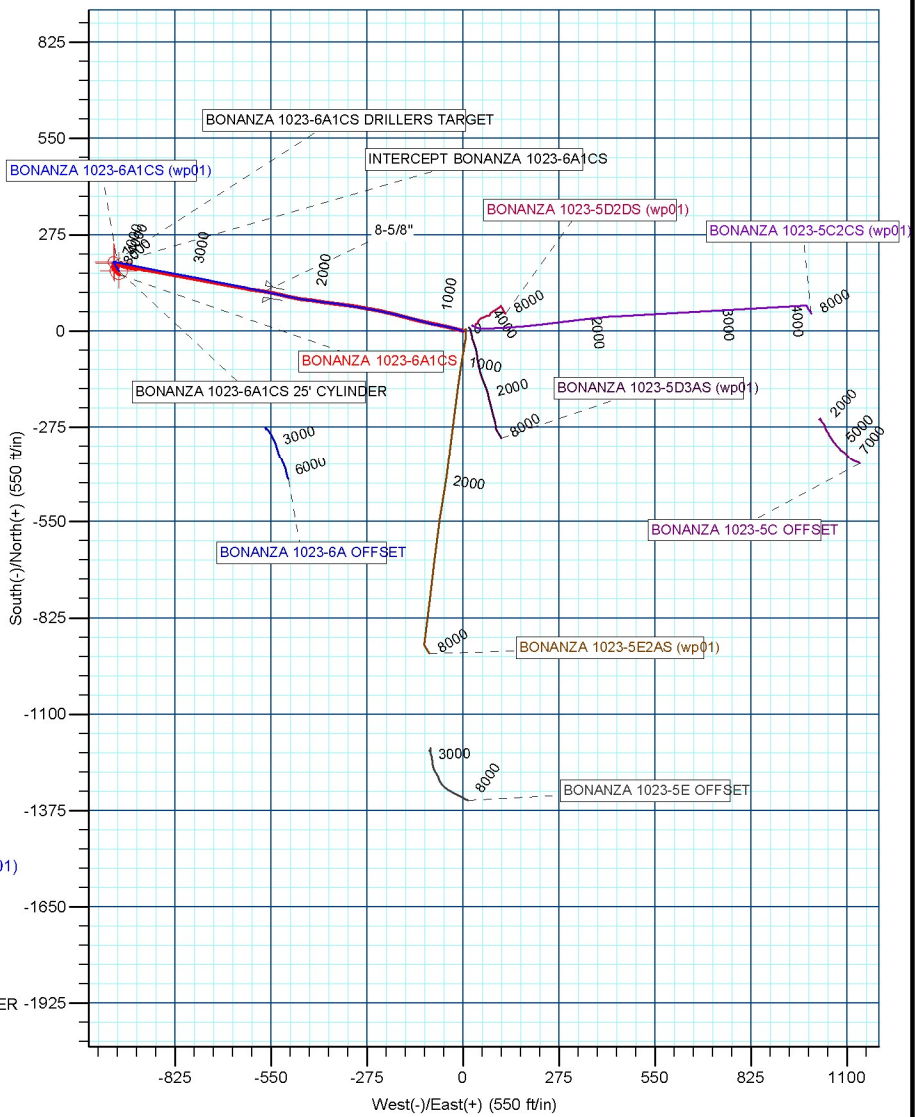
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
BONANZA 1023-6A1CS DRILLERS TARGET	4117.00	197.66	-1002.11	14524565.83	2099461.86	39.984354	-109.361308	Circle (Radius: 15.00)
INTERCEPT BONANZA 1023-6A1CS	4923.00	193.48	-999.60	14524561.70	2099464.45	39.984342	-109.361299	Point
BONANZA 1023-6A1CS 25' CYLINDER	8624.00	172.66	-987.11	14524541.11	2099477.32	39.984285	-109.361254	Circle (Radius: 25.00)

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSect
2446.00	18.82	279.89	2351.59	112.26	-562.75	0.00	0.00	573.68
2476.36	19.30	281.01	2380.29	114.06	-572.50	2.00	37.64	583.59
3313.06	19.30	281.01	3169.94	166.89	-844.01	0.00	0.00	860.14
4278.27	0.00	0.00	4117.00	197.66	-1002.11	2.00	180.00	1021.18
4403.55	0.38	149.04	4242.27	197.31	-1001.90	0.30	149.04	1020.91
8785.37	0.38	149.04	8624.00	172.66	-987.11	0.00	0.00	1002.10





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US ROCKIES REGION PLANNING

UTAH - UTM (feet), NAD27, Zone 12N
UINTAH_BONANZA 1023-5D PAD
BONANZA 1023-6A1CS

BONANZA 1023-6A1CS

Design: BONANZA 1023-6A1CS

Standard Survey Report

15 November, 2012

Anadarko Petroleum Corporation

RECEIVED: May. 12, 2015

Weatherford

Andarko Petroleum Corporation

Survey Report

Anadarko Petroleum Corporation

Company:	US ROCKIES REGION PLANNING	**Local Co-ordinate Reference:**	Well BONANZA 1023-6A1CS
Project:	UTAH - UTM (feet), NAD27, Zone 12N	**TVD Reference:**	XTREME 12 15' RKB+GL @ 5253.00ft (XTREME 12)
Site:	UINTAH_BONANZA 1023-5D PAD	**MD Reference:**	XTREME 12 15' RKB+GL @ 5253.00ft (XTREME 12)
Well:	BONANZA 1023-6A1CS	**North Reference:**	True
Wellbore:	BONANZA 1023-6A1CS	**Survey Calculation Method:**	Minimum Curvature
Design:	BONANZA 1023-6A1CS	**Database:**	edmp

Project UTAH - UTM (feet), NAD27, Zone 12N

Map System:	Universal Transverse Mercator (US Survey Feet)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Zone 12N (114 W to 108 W)		

Site UINTAH_BONANZA 1023-5D PAD

Site Position:		**Northing:**	14,524,386.67 usft	**Latitude:**	39.983811
From:	Lat/Long	**Easting:**	2,100,467.44 usft	**Longitude:**	-109.357731
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	1.06 °

Well BONANZA 1023-6A1CS

Well Position	**+N/-S**	0.00 ft	**Northing:**	14,524,386.67 usft	**Latitude:**	39.983811
	+E/-W	0.00 ft	**Easting:**	2,100,467.44 usft	**Longitude:**	-109.357731
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,238.00 ft

Wellbore BONANZA 1023-6A1CS

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/26/2012	10.85	65.85	52,210

Design BONANZA 1023-6A1CS

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	11.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	11.00	0.00	0.00	281.28

Survey Program **Date** 11/15/2012

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
184.00	2,446.00	Survey #1 (BONANZA 1023-6A1CS)	MWD	MWD - STANDARD
2,552.00	8,790.00	Survey #2 (BONANZA 1023-6A1CS)	MWD	MWD - STANDARD

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11.00	0.00	0.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00
184.00	0.44	357.58	184.00	0.66	-0.03	0.16	0.25	0.25	0.00
269.00	0.53	299.05	269.00	1.18	-0.39	0.61	0.57	0.11	-68.86
351.00	1.85	277.52	350.98	1.54	-2.03	2.29	1.67	1.61	-26.26
441.00	2.64	285.34	440.91	2.28	-5.47	5.81	0.94	0.88	8.69
531.00	3.45	288.41	530.78	3.68	-10.04	10.56	0.92	0.90	3.41
621.00	5.35	284.40	620.51	5.58	-16.67	17.44	2.14	2.11	-4.46
711.00	6.95	284.81	709.99	8.01	-26.00	27.07	1.78	1.78	0.46

Weatherford

Andarko Petroleum Corporation

Survey Report

Anadarko Petroleum Corporation

Company:	US ROCKIES REGION PLANNING	**Local Co-ordinate Reference:**	Well BONANZA 1023-6A1CS
Project:	UTAH - UTM (feet), NAD27, Zone 12N	**TVD Reference:**	XTREME 12 15' RKB+GL @ 5253.00ft (XTREME 12)
Site:	UINTAH_BONANZA 1023-5D PAD	**MD Reference:**	XTREME 12 15' RKB+GL @ 5253.00ft (XTREME 12)
Well:	BONANZA 1023-6A1CS	**North Reference:**	True
Wellbore:	BONANZA 1023-6A1CS	**Survey Calculation Method:**	Minimum Curvature
Design:	BONANZA 1023-6A1CS	**Database:**	edmp

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
801.00	9.06	282.00	799.11	10.88	-38.20	39.59	2.38	2.34	-3.12
891.00	11.17	280.33	887.70	13.92	-53.71	55.39	2.37	2.34	-1.86
981.00	13.72	280.59	975.58	17.44	-72.78	74.78	2.83	2.83	0.29
1,071.00	15.74	283.32	1,062.62	22.22	-95.15	97.66	2.37	2.24	3.03
1,161.00	17.32	284.20	1,148.90	28.32	-120.02	123.24	1.78	1.76	0.98
1,251.00	17.76	284.99	1,234.71	35.15	-146.26	150.31	0.56	0.49	0.88
1,341.00	18.64	284.99	1,320.21	42.42	-173.42	178.37	0.98	0.98	0.00
1,431.00	19.61	282.79	1,405.24	49.49	-202.04	207.82	1.34	1.08	-2.44
1,521.00	20.22	282.09	1,489.86	56.09	-231.98	238.47	0.73	0.68	-0.78
1,611.00	21.28	280.24	1,574.02	62.25	-263.26	270.35	1.38	1.18	-2.06
1,701.00	21.55	279.44	1,657.81	67.86	-295.63	303.20	0.44	0.30	-0.89
1,791.00	22.38	278.36	1,741.28	73.07	-328.89	336.83	1.03	0.92	-1.20
1,881.00	23.04	277.78	1,824.30	77.94	-363.29	371.52	0.77	0.73	-0.64
1,971.00	22.51	276.55	1,907.28	82.29	-397.86	406.27	0.79	-0.59	-1.37
2,061.00	22.29	278.47	1,990.49	86.77	-431.86	440.49	0.85	-0.24	2.13
2,151.00	20.93	279.27	2,074.16	91.87	-464.61	473.60	1.55	-1.51	0.89
2,241.00	19.95	282.75	2,158.50	97.85	-495.45	505.02	1.73	-1.09	3.87
2,331.00	19.93	282.96	2,243.10	104.68	-525.37	535.70	0.08	-0.02	0.23
2,446.00	18.82	279.89	2,351.59	112.26	-562.75	573.84	1.31	-0.97	-2.67
TIE ON									
2,552.00	18.46	275.08	2,452.04	116.69	-596.31	607.62	1.49	-0.34	-4.54
FIRST WFT MWD SURVEY									
2,642.00	20.59	282.40	2,536.87	121.35	-625.97	637.61	3.60	2.37	8.13
2,731.00	20.20	283.28	2,620.29	128.24	-656.21	668.62	0.56	-0.44	0.99
2,818.00	19.70	280.38	2,702.07	134.33	-685.25	698.29	1.27	-0.57	-3.33
2,907.00	19.56	279.87	2,785.90	139.59	-714.68	728.18	0.25	-0.16	-0.57
2,994.00	19.88	278.62	2,867.80	144.30	-743.66	757.52	0.61	0.37	-1.44
3,082.00	18.50	281.50	2,950.91	149.33	-772.13	786.43	1.90	-1.57	3.27
3,172.00	18.31	281.37	3,036.30	154.96	-799.99	814.84	0.22	-0.21	-0.14
3,259.00	16.38	277.50	3,119.35	159.26	-825.55	840.75	2.58	-2.22	-4.45
3,347.00	14.44	282.25	3,204.18	163.20	-848.58	864.11	2.63	-2.20	5.40
3,436.00	14.88	281.12	3,290.29	167.76	-870.63	886.63	0.59	0.49	-1.27
3,525.00	13.38	278.12	3,376.59	171.42	-892.04	908.34	1.88	-1.69	-3.37
3,614.00	12.19	280.25	3,463.38	174.55	-911.48	928.02	1.44	-1.34	2.39
3,701.00	10.13	278.25	3,548.73	177.28	-928.10	944.84	2.41	-2.37	-2.30
3,791.00	9.44	275.62	3,637.42	179.14	-943.27	960.09	0.91	-0.77	-2.92
3,878.00	7.06	279.62	3,723.52	180.73	-955.65	972.54	2.81	-2.74	4.60
3,965.00	7.25	282.37	3,809.84	182.80	-966.28	983.37	0.45	0.22	3.16
4,055.00	4.69	291.37	3,899.35	185.36	-975.26	992.67	3.02	-2.84	10.00
4,144.00	4.06	292.62	3,988.09	187.90	-981.55	999.35	0.72	-0.71	1.40
4,230.00	2.25	299.87	4,073.95	189.91	-985.83	1,003.93	2.15	-2.10	8.43
4,318.00	1.69	297.50	4,161.90	191.37	-988.48	1,006.82	0.64	-0.64	-2.69

Weatherford

Andarko Petroleum Corporation

Survey Report

Anadarko Petroleum Corporation

Company:	US ROCKIES REGION PLANNING	**Local Co-ordinate Reference:**	Well BONANZA 1023-6A1CS
Project:	UTAH - UTM (feet), NAD27, Zone 12N	**TVD Reference:**	XTREME 12 15' RKB+GL @ 5253.00ft (XTREME 12)
Site:	UINTAH_BONANZA 1023-5D PAD	**MD Reference:**	XTREME 12 15' RKB+GL @ 5253.00ft (XTREME 12)
Well:	BONANZA 1023-6A1CS	**North Reference:**	True
Wellbore:	BONANZA 1023-6A1CS	**Survey Calculation Method:**	Minimum Curvature
Design:	BONANZA 1023-6A1CS	**Database:**	edmp

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,407.00	1.56	289.50	4,250.87	192.38	-990.78	1,009.27	0.29	-0.15	-8.99
4,497.00	1.75	280.87	4,340.83	193.05	-993.29	1,011.86	0.35	0.21	-9.59
4,586.00	1.88	279.75	4,429.78	193.55	-996.06	1,014.68	0.15	0.15	-1.26
4,672.00	1.94	277.50	4,515.74	193.98	-998.89	1,017.54	0.11	0.07	-2.62
4,760.00	1.75	263.25	4,603.69	194.01	-1,001.71	1,020.31	0.56	-0.22	-16.19
4,847.00	1.25	220.50	4,690.66	193.14	-1,003.64	1,022.03	1.37	-0.57	-49.14
4,937.00	0.75	116.62	4,780.66	192.13	-1,003.75	1,021.94	1.78	-0.56	-115.42
5,085.00	1.00	114.12	4,928.64	191.16	-1,001.71	1,019.75	0.17	0.17	-1.69
5,174.00	1.13	112.12	5,017.62	190.52	-1,000.19	1,018.13	0.15	0.15	-2.25
5,264.00	1.06	118.62	5,107.61	189.78	-998.63	1,016.46	0.16	-0.08	7.22
5,351.00	1.31	126.25	5,194.59	188.81	-997.12	1,014.79	0.34	0.29	8.77
5,439.00	1.19	121.00	5,282.57	187.75	-995.53	1,013.02	0.19	-0.14	-5.97
5,529.00	1.25	108.37	5,372.55	186.95	-993.80	1,011.17	0.31	0.07	-14.03
5,618.00	1.13	114.12	5,461.53	186.29	-992.08	1,009.35	0.19	-0.13	6.46
5,708.00	0.38	295.50	5,551.52	186.06	-991.53	1,008.77	1.68	-0.83	-198.47
5,797.00	0.25	316.12	5,640.52	186.32	-991.94	1,009.22	0.19	-0.15	23.17
5,886.00	0.06	8.87	5,729.52	186.51	-992.06	1,009.38	0.25	-0.21	59.27
5,974.00	0.00	146.75	5,817.52	186.55	-992.06	1,009.38	0.07	-0.07	0.00
6,061.00	0.17	175.32	5,904.52	186.43	-992.05	1,009.35	0.20	0.20	0.00
6,149.00	0.38	149.00	5,992.52	186.05	-991.88	1,009.11	0.27	0.24	-29.91
6,238.00	0.25	129.62	6,081.52	185.67	-991.58	1,008.75	0.19	-0.15	-21.78
6,327.00	0.25	123.00	6,170.52	185.44	-991.27	1,008.39	0.03	0.00	-7.44
6,416.00	0.44	130.00	6,259.52	185.11	-990.85	1,007.91	0.22	0.21	7.87
6,504.00	0.75	123.87	6,347.51	184.58	-990.11	1,007.09	0.36	0.35	-6.97
6,593.00	0.69	126.00	6,436.50	183.94	-989.19	1,006.06	0.07	-0.07	2.39
6,681.00	0.88	123.25	6,524.50	183.25	-988.20	1,004.95	0.22	0.22	-3.13
6,770.00	0.75	200.37	6,613.49	182.33	-987.83	1,004.41	1.15	-0.15	86.65
6,947.00	0.50	260.12	6,790.48	181.11	-988.99	1,005.31	0.37	-0.14	33.76
7,036.00	1.69	288.87	6,879.46	181.47	-990.62	1,006.98	1.43	1.34	32.30
7,125.00	1.75	291.12	6,968.42	182.39	-993.13	1,009.62	0.10	0.07	2.53
7,215.00	1.63	289.25	7,058.38	183.30	-995.62	1,012.24	0.15	-0.13	-2.08
7,302.00	1.44	283.12	7,145.35	183.96	-997.85	1,014.56	0.29	-0.22	-7.05
7,390.00	1.25	264.25	7,233.33	184.11	-999.88	1,016.58	0.54	-0.22	-21.44
7,479.00	0.94	256.12	7,322.31	183.84	-1,001.56	1,018.17	0.39	-0.35	-9.13
7,567.00	0.75	225.75	7,410.30	183.27	-1,002.67	1,019.15	0.54	-0.22	-34.51
7,654.00	0.69	197.12	7,497.30	182.37	-1,003.23	1,019.52	0.41	-0.07	-32.91
7,743.00	0.69	162.50	7,586.29	181.35	-1,003.23	1,019.32	0.46	0.00	-38.90
7,833.00	1.19	155.62	7,676.28	179.98	-1,002.68	1,018.51	0.57	0.56	-7.64
7,920.00	1.31	152.12	7,763.26	178.28	-1,001.84	1,017.36	0.16	0.14	-4.02
8,012.00	1.13	131.75	7,855.24	176.74	-1,000.67	1,015.91	0.51	-0.20	-22.14
8,099.00	1.25	140.00	7,942.22	175.44	-999.42	1,014.43	0.24	0.14	9.48
8,188.00	1.19	133.50	8,031.20	174.06	-998.13	1,012.90	0.17	-0.07	-7.30

Weatherford

Andarko Petroleum Corporation

Survey Report

Anadarko Petroleum Corporation

Company:	US ROCKIES REGION PLANNING	**Local Co-ordinate Reference:**	Well BONANZA 1023-6A1CS
Project:	UTAH - UTM (feet), NAD27, Zone 12N	**TVD Reference:**	XTREME 12 15' RKB+GL @ 5253.00ft (XTREME 12)
Site:	UINTAH_BONANZA 1023-5D PAD	**MD Reference:**	XTREME 12 15' RKB+GL @ 5253.00ft (XTREME 12)
Well:	BONANZA 1023-6A1CS	**North Reference:**	True
Wellbore:	BONANZA 1023-6A1CS	**Survey Calculation Method:**	Minimum Curvature
Design:	BONANZA 1023-6A1CS	**Database:**	edmp

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,276.00	1.19	134.87	8,119.18	172.79	-996.82	1,011.36	0.03	0.00	1.56
8,364.00	1.50	135.37	8,207.15	171.33	-995.36	1,009.65	0.35	0.35	0.57
8,452.00	1.56	135.12	8,295.12	169.66	-993.71	1,007.70	0.07	0.07	-0.28
8,541.00	1.69	134.87	8,384.09	167.87	-991.92	1,005.60	0.15	0.15	-0.28
8,628.00	2.06	131.37	8,471.04	165.93	-989.84	1,003.18	0.44	0.43	-4.02
8,740.00	2.94	127.75	8,582.93	162.85	-986.06	998.86	0.80	0.79	-3.23
LAST WFT MWD SURVEY									
8,790.00	2.94	127.75	8,632.87	161.28	-984.03	996.57	0.00	0.00	0.00
PJROJECTION TO TD									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
2,446.00	2,351.59	112.26	-562.75	TIE ON
2,552.00	2,452.04	116.69	-596.31	FIRST WFT MWD SURVEY
8,740.00	8,582.93	162.85	-986.06	LAST WFT MWD SURVEY
8,790.00	8,632.87	161.28	-984.03	PJROJECTION TO TD

Checked By: _____ Approved By: _____ Date: _____

RECEIVED: May. 12, 2015

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: GWS 1/1
Event: COMPLETION	Start date: 12/31/2012		End date: 5/31/2013
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
12/31/2012	10:00 - 17:00	7.00	SUBSPR	31	I	P		ROAD RIG FROM BON 1023-7B, SLICK ROADS, BLADE LOCATION, MIRU, SPOT EQUIP, ND WH, NU 5K BOP, RU FLOOR & TBG EQUIP, PU 3 7/8" BIT, BIT SUB & 1.875" XN S/N, TALLY & PU TBG, WINTERIZE EQUIP, SWI, SDFN.
1/1/2013	7:00 - 7:15	0.25	SUBSPR	48		P		HSM ,SLIPS, TRIPS & FALLS, P/S, ROTARY
	7:15 - 17:00	9.75	SUBSPR	31	I	P		(TEMP -10 BELOW) TALLY & PU TBG (2" LINE RUNNING TO PIT FOR WATER DISPLACEMENT KEEPS FREEZING OFF HAVE TO THAW OUT 3 TIMES) TAGGED @ 6,250', RU P/S, BREAK REV CIRC, P/T BOP TO 3,000 PSI, TEST GOOD, D/O CMT & SCATTERED BRIDGES FROM 6,250' TO 6,345' BIT STARTED PLUGGING WENT TO CONVENTIONAL CIRC (NO CBP YET SUPPOSE TO BE @ 6,280'), RIH TAGGED @ 6,545', D/O CBP @ 6,545' & SCATTERED BRIDGES & BTM HALF OF CBP TO 6,661',STARTED GETTING PINKISH RED RUBBER IN RETURNS, CIRC BTMS UP 30 MIN, SET P/S BACK, L/D 3 JTS, INSTAL TIW VALVE & SWI, DRAIN & WINTERIZE EQUIP, SDFN.
1/2/2013	7:00 - 7:15	0.25	SUBSPR	48		P		HSM, SLIPS, TRIPS & FALLS, D/O CMT, COLD WEATHER
	7:15 - 17:00	9.75	SUBSPR	44	A	P		(TEMP -15 BELOW) SICP 0 PSI, OPEN WELL, PU 2 JT TAGGED @ 6,610', (ASSUME CSG IS PARTED @ 6,610', TBG STARTED FLOWING A LITTLE INSTAL TIW VALVE & KELLY HOSE & PUMP DOWN TBG & BREAK CIRC, RU P/S, C/O & FROM 6,610' TO 6,680' (CAN ROTATE & GO THRU PARTED CSG @ 6,610', WILL NOT GO W/O ROTATING TRIED TO GO THRU 3 TIMES SETTING 30K DOWN ON IT), RIH HITTING SCATTERED BRIDGES TO 7,000' PULLING 6-8K OVER WHEN COLLAR COMES BACK THRU PARTED CSG, SET P/S BACK, RIH (WET) TAGGED @ 7,196' COULD NOT PULL UP (STUCK, ACTS LIKE A PIECE OF RUBBER OF PLUG HANGING UP), RU P/S & WORK PIPE FREE WENT ON IN TO 7,228', TALKED W/ SAMUELS & DECIDED TO LET HOLE CLEAN UP & POOH BEFORE WE GOT STUCK, SET P/S BACK, POOH TO RUN CALIPER LOG PULLED 1JT GOT STUCK, RU P/S WORK PIPE FREE FROM 7,196' TO 7,165' STIFF ARM BROKE OFF P/S & WOUND KELLY & HYD HOSES AROUND JT ON P/S, UNWIND HOSES, SET P/S BACK, POOH (WET) FOR CALIPER LOG, SWI, DRAIN & WINTERIZE EQUIP, SDFN.
1/3/2013	7:00 - 7:15	0.25	SUBSPR	48		P		HSM, SLIPS, TRIPS & FALLS, WIRELINE

RECEIVED: May. 12, 2015

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: GWS 1/1
Event: COMPLETION	Start date: 12/31/2012		End date: 5/31/2013
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	7:15 - 11:30	4.25	SUBSPR	34	1	P		(TEMP -15 BELOW) SICP 750 PSI, OPEN & BLEED WELL, MIRU PIONEER W/L TO RUN CALIPER LOG. 1ST RUN RIH W/ 3.250 GAUGE RING TAGGED @ 6,542', POOH L/D GAUGE RING. 2ND RUN PU JUNK BASKET O.D. 2.95" & RIH TAGGED @ 6,542', POOH CHECK BASKET HAD 4 NICKEL SIZED PIECES OF WHAT LOOKED LIKE CMT & SHALE, LD JUNK BASKET. 3 RD RUN PU 1 11/16" SINKER BARS & CCL TAGGED @ 6,542', POOH LD SINKER BARS. RDMO PIONEER WIRELINE.
	11:30 - 14:00	2.50	SUBSPR	46	A	P		WAIT ON ORDERS, DECIDED TO CBL.
	14:00 - 18:00	4.00	SUBSPR	41	A	P		RU PIONEER WIRELINE RUN CBL FROM 6,539 TO SURFACE, GOOD CMT STARTED @ 6,420' TO SURFACE, RDMO, SWI, WINTERIZE EQUIP, SDFN.
1/4/2013	7:00 - 9:00	2.00	SUBSPR	46	A	P		WAITING ON ORDERS FROM DENVER ENGINEERS, DECIDED TO RUN DOWNHOLE CAMERA
	9:00 - 9:15	0.25	SUBSPR	48	I	P		HSM, SLIPS, TRIPS & FALLS, TRIPPING TBG, COLD WEATHER
	9:15 - 15:00	5.75	SUBSPR	31	I	P		(TEMP -20 BELOW) RIH W/ OPEN ENDED TBG TO 6,345' W/ 201 JTS TO RUN DOWNHOLE CAMERA ON MONDAY, SWI, WINTERIZE EQUIP, SDFWE.
1/7/2013	7:00 - 7:15	0.25	SUBSPR	48		P		HSM, SLIPS, TRIPS & FALLS, RIH W/ DOWNHOLE CAMERA ON WIRELINE, L/D TBG
	7:15 - 9:30	2.25	SUBSPR	31	I	P		(TEMP -15 BELOW) SICP 1,200 PSI, OPEN WELL, RIH W/ TBG TO 6,598', BREAK CIRC & DISPLACE HOLE W/ 100 BBLS TMAC, LD 4 JTS EOT @ 6,469'.
	9:30 - 11:30	2.00	SUBSPR	34	1	P		MIRU CASEDHOLE, PU & RIH W/ EV DOWNHOLE VIDEO STACKED OUT @ 6,565' WATER TO MERKY W/ GAS BUBBLES TO SEE ANYTHING, GOT FRESH WATER COMING.
	11:30 - 13:30	2.00	SUBSPR	46	F	Z		WAIT ON CLEAR FRESH, TRUCK SPUNOUT & GOT STUCK, HAD TO GET GRADER TO PULL IT OUT
	13:30 - 18:00	4.50	SUBSPR	34	1	P		HOOK UP WATER TRUCK TO R/P, PUMP 30 BBLS CLEAR FRESH WATER DOWN TBG, SHUT RAMS & TO INJECT INTO FORM 1,800 PSI @ APPROX 1/4 BPM, TO RUN CLEAN WATER PAST CAMERA STIL TO MERKY W/ GAS BUBBLES, POOH, RIH W/ 4 JTS TBG TOCLEAN UP HOLE AGAIN, BREAK REV CIRC PRESSURED UP TO 2,500 PSI PUMPED SOMETHING UP INTO TBG, WENT TO CONVENTIONAL CIRC TO TRY & UNPLUG TBG NO LUCK, L/D 4 JTS, TRIED AGAIN NO LUCK 2,500 PSI, POOH IN AM TO UNPLUG TBG, SWI, DRAIN & WINTERIZE EQUIP, SDFN.
1/8/2013	7:00 - 7:15	0.25	SUBSPR	48		P		HSM, SLIPS, TRIPS & FALLS, TRIPPING TBG, COLD WEATHER
	7:15 - 8:30	1.25	SUBSPR	31	I	P		(TEMP-7 BELOW) SICP 800 PSI, OPEN WELL, POOH W/ PLUGGED TBG 32STDS ((WET WATER & ICE EVERY WHERE)) DECIDED TO PERF TBG EOT @ 4,427', CALLED CASEDHOLE TO COME PERF TBG
	8:30 - 10:30	2.00	SUBSPR	34	H	P		WAIT ON CASEDHOLE TO PERF TBG & COVER FLOOR & TBG EQUIP W/ TARPS & HEATER TO MELT ICE, RU & RIH W/ PERF GUN & PERF TBG @ 3,852' - 53' 3 SFP, POOH, RD W/L.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE			Spud date: 9/17/2012
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: GWS 1/1
Event: COMPLETION	Start date: 12/31/2012		End date: 5/31/2013
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	10:30 - 14:00	3.50	SUBSPR	31	I	P		POOH, BROKE BTM OF PERFFED JT HAD TRAPPED PRESSURE UNDER IT BLEW SHALE, CMT, RUBBER & DRILLING MUD CLEAR TO THE BOARD, L/D PERFFED JT, CLEAN DEBRIS OFF TBG EQUIP, ATTEMPT TO PUMP THRU TBG TO SEE IF IT'S CLEAR NO LUCK 2,000 PSI @ APPROX 1/2 BPM, L/D 18 JTS TBG (5 PLUGGED)
	14:00 - 15:30	1.50	SUBSPR	34	G			RU W/L, PU 3.65" GAUGE RING & RIH TAGGED @ 6,539, POOH & RD W/L
	15:30 - 17:00	1.50	SUBSPR	31	I	P		PUT COLLAR ON EOT, RIH W/ OPEN ENDED TBG TO RUN DOWNHOLE VIDEO, SWI, DRAIN & WINTERIZE EQUIP, SDFN.
1/9/2013	7:00 - 7:15	0.25	SUBSPR	48		P		HSM, SLIPS, TRIPS & FALLS, WIRELINE, PUMPING
	7:15 - 8:30	1.25	SUBSPR	31	I	P		(TEMP -8 BELOW) SICP & TP 800 PSI, OPEN WELL, PUMP 10 BBLS 10# BRINE DOWN TBG, PU 16 JTS TBG TO 6,495' W/ 206 JTS, PUMP 75 BBLS 10# BRINE.
	8:30 - 12:30	4.00	SUBSPR	34		P		RU W/L & RIH W/ CAMERA, INJECT INTO FORMATION W/ 1,250 PSI @ 1/4 TO 1/2 BPM APPROX 35 BBLS 10# BRINE, TOOK PICTURES OF 4 1/2" CSG COLLAR @ 6,498' & CSG PARTED @ 6,539' PIN LOOKING DOWN LOOKED LIKE IT MAY HAVE A CRACK IN IT, COLLAR MUST BE ON TOP OF SHORT JT & TOOK SOME PICTURES OF FORMATION, TAGGED UP @ 6,559' NEVER SEEN TOP OF BTM HALF, POOH L/D CAMERA, RD W/L.
	12:30 - 17:00	4.50	SUBSPR	31	I	P		POOH L/D TBG, RD FLOOR & TBG EQUIP, ND BOP, NU WH, WILL RD IN AM, SWI, DRAIN & WINTERIZE EQUIP, SDFN
1/10/2013	-							
4/17/2013	8:00 -		SUBSPR	34	I	P		8AM HELD JSA. - SLIPPERY ROADS & LOCATIONS, HEAVY OVERHEAD EQUIPMENT & LIFTING. MIRU CHS. RIH W/ GAUGE RING TO 6460', SET DOWN SOLID. POOH AND L/D GAUGE RING. RIH W/ 4.5" CIBP & SET AT @ 6450'. POOH AND L/D TOOLS. P/U DUMP BAILER AND RIH AND SPOT 50' CEMENT ON TOP OF CIBP @ 6450'. (2 RUNS W/ DUMP BAILER) RIH W/ ANOTHER 4.5" CIBP AND SET IT AT 6375'. POOH. RDMO CHS.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: GWS 1/1
Event: COMPLETION	Start date: 12/31/2012		End date: 5/31/2013
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
4/25/2013	7:00 - 13:00	6.00	SUBSPR	33	C	P		FILLED SURFACE , 100 PSI ON 4 1/2" FILLED 4 1/2" PRODUCTION CSG WITH 65 BBLS TMAC PRESSURED TO 2440 PSI ACTS LIKE WERE PUMPING INTO SOMETHING, BLED WELL BACK, LET GAS AND AIR WORK OUT OF WELL FILLED WELL WITH 10, BBLS TMAC, PRESSURED TO 2440 PUMPING 1 BPM INTO HOLE. NOTE: LOOKING AT CBL LOOKS, LIKE THERE IS CSG PROBLEMS @ 4300'. PRESSURE TEST 8 5/8 X 4 1/2 TO 501 PSI HELD FOR 5 MIN LOST -74 PSI,BLED PSI OFF, REINSTALLED POP OFF SWIFN WE WILL TRY AND ISOLATE HOLE AFTER FRACING THE OTHER 4 WELLS ON THIS PAD
4/30/2013	7:00 - 7:30	0.50		48		P		HSM, RIGGING DOWN & MOVING EQUIP.
	7:30 - 11:30	4.00		30		P		RIG DWN OFF NBU 1022-1K PAD, MIRU, ND WH NU BOPS, RU FLOOR & TBG EQUIP.
	11:30 - 17:30	6.00		31	I	P		HAD OIL IN WH PU 3 JTD TBG CIRC OIL OUT L/D 3 JTS, PU 41/2 RBP & PKR & 150 JTS 23/8 J-55, 8' SUB, 9 JTS 23/8 L-80, SET RBP @ 5052.44', L/D JT 159, ROLE HOLE W/ 75 BBLS HOT WTR. PULL UP SET PKR @ 4818' TEST DWN TBG TO 2500 PSI LOST 500 PSI IN 5 MIN. COMUNICATION UP CSG, RIH SET PKR @ 4914' TEST TO 2500 PSI LOST 500 PSI IN 2 MIN COMUNICATION UP CSG, RIH SET PKR @ 5009' TO TEST RBP STILL LOOSEING PSI AND CUMINICATION UP CSG, PULL UP TO 4250' SET PKR PUMPED DWN CSG @ 2300 PSI @ 1 BPM. PUMPED DWN TBG TO 2500 MPSI STILL LOOSING 500 PSI IN 2 MIN PKR IS LEAKING, UNSET PKR SWI SDFN.
5/1/2013	7:00 - 7:30	0.50		48		P		HSM, WORKING W/ TOOLS & MAN ISOLATING CSG LEAK.
	7:30 - 18:00	10.50		31		P		SICP 500, SITP 500, BLEAD OFF, ROLL HOLE W/ HOT WTR. POOH L/D HD PKR, RIH W/ 32-A PKR & 134 JTS TBG SET PKR @ 4250'.TEST BELOW TBG TO 2500 PSI HELD, POOH 68 JTS SET PKR @ 2098' TEST CSG TO 2500 PSI HELD, RIH SET PKR @ 3172' TEST CSG TO 2500 PSI HELD, RUN 20 JTS SET PKR @ 3803' TEST CSG TO 2500' HELD, RIH 6 JTS SET PKR @ 3993' NO TEST. PULL 4 JTS SET PKR @ 3866' NO TEST, CSG COLLAR @ 3823' LEAKING, RIH W/ 36 JTS EOT @ 5005' ROLL HOLE W/ 150 BBL HOT WTR, FILL HOLE W/ 70 BBLS CITY WATER POOH W/ 37 JTS EOT @ 3835' RU CASED HOLE RUN IN HOLE W/ CAMERA.PULLED UP 1 JT EOT @ 3803' SEEN COLLAR @ 3831' OIL COMING UP FROM BELOW, TRYED TO PULL BACK INTO TBG TO CIRC WELL HAD TROUBLE GETTING BACK IN TBG, POOH W/ CAMERA RD WL. POOH W/ 120 JTS L/D PKR SWI SDFN.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: GWS 1/1
Event: COMPLETION	Start date: 12/31/2012		End date: 5/31/2013
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
5/2/2013	7:00 - 7:30	0.50		48		P		HSM, WORKING W/ WL RUNNING DOWN HOLE CAMERA.
	7:30 - 17:00	9.50		31		P		SICP, 0, RIH W/ 23/8 COLLAR & 120 JTS 23/8 J-55 EOT @ 3796', CIRC HOLE W/ 70 BBLS CITY WTR CONV, RU WL RIH W/ CAMERA. FOUND 3 SPF @ 3856.6-3857.5 , REPORT #7 1/8/13 SHOW THEY HAD PLUGGED TBG & SHOT HOLES @ THIS SAME DEPTH. COLLAR PIKE @ 4332 WAS NOTHING, COLLAR PIKE 4862 NOTHING SEEN, SHORT JT @ 4972 WAS X/O SHORT JT F/ 41/2 11.60# DQX TO 41/2 11.60# LTC. LOOKED GOOD.POOH L/D CAMERA, RD WL. POOH W/ 120 JTS L/D COLLAR RIH W/ RBP RET HEAD & 159 JTS 23/8 LATCHED ON & UNSET RBP @ 5052', POOH L/D 9 JTS 23/8 L-80, 150 JTS 23/8 J-55, L/D RBP. SWI SDFN
5/21/2013	7:00 - 7:30	0.50		48		P		HSM, RIGING DWN & MOVING EQUIP.
	7:30 - 10:30	3.00		30	A	P		RIG DWN OFF NBU 309-20E, MIRU.
	10:30 - 15:30	5.00		31	I	P		UNLOAD 150 JTS J-55 OFF TOP OF TBG TRAILOR. ND WH NU BOPS, RU FLOOR & TBG EQUIP. TALLY & PU 37/8 MILL, 31/8 DRILL COLLAR PONY, CSG SCRAPPER, X/O, 1- 31/8 DRILL COLLAR, X/O, 23/8 PU JT, 120 JTS 23/8 L-80, RU SWIVEL, ROTATE & WORK MILL F/ 3870 UP TO 3838' CIRC HOLE W/ 60 BBLS 150 DEG WTR. SWI.
5/22/2013	7:00 - 7:30	0.50		48		P		HSM, WORKING W/ RBS & SALTEL TO RUN INTERNAL CSG PATCH
	7:30 - 19:30	12.00		31	I	P		SICP 0 , CIRC WELL W/ 60 BBLS HOT WTR. POOH W/ 120 JTS 23/8 L-80 L/D MILLING TOOLS.RU WL RIH RAN CBL STRIP ACROSS HOLES @ 3852', RD WL RIH W/ 20' SALTEL PATCH & 121 JTS 23/8 L-80 STOPPING & FILLING TBG IN HOLE, RU WL GOT ON DEPTH POOH W/ WIRE LINE PU JT # 122, PULL UP TO PATCH TOP @ 3838', SET PATCH & WORK TROUGH PATCH SEVERAL TIMES L/D 2 JTS SWI SDFN.
5/23/2013	7:00 - 7:30	0.50		48		P		HSM, PINCH POINTS & PRESSURE TESTING CSG.
	7:30 - 17:00	9.50		31	I	P		SICP 0, L/D REM 120 JTS & PATCH SETTING TOOL.ND BOPS NU FV. RU CAMERON TEST CSG TO 1,000 PSI FOR 15 MIN, LOST 6 PSI, TEST TO 3500 PSI FOR 15 MIN LOST 32 PSI, PRESSURE TO 7000 FOR 15 MIN 3 TIMES LOST 160 PSI. INFORMED OFFICE, BLEAD OFF PSI RU CASED HOLE RIH W/ 3.60 OD GAUGE RING COULDN'T GET IN TOP OF PATCH, POOH ADDED WEIGHT BARS RIH SAME THING NOT GETTING IN PATCH, POOH RD WL, ND FV NU BOPS, SPOT TBG TRAILOR REMOVED J-55 TBG, PU PATCH SETTING TOOL & 55 JTS 23/8 L-80.FILLING TBG , SWI SDFN.
5/24/2013	7:00 - 7:30	0.50		48		P		HSM, HOUSE KEEPING

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: GWS 1/1
Event: COMPLETION	Start date: 12/31/2012		End date: 5/31/2013
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	7:30 - 17:00	9.50		31	I	P		SICP 0, PU REM 67 JTS 23/8 L-80 FILLING TBG WHILE RIH, TAGGED 2' INTO PATCH, TRY TO EXPAND PATCH UNABLE TO GET BULLNOSE PAST COLAPES, POOH L/D PKR SETTING TOOL OREDRED SPEAR & EQUIP.PU SPEAR W/ 315/16 GRAPPEL & STOP STACKED OUT IN TBG HEAD, ND BOPS & TBG HEAD, NU BOPS RIH W/ SPEAR, STOP RING, BS, JARS, 4 COLLARS,INT, X/O, 23/8 PUP JT & 114 JTS TO 3792' SWI SDWE
5/28/2013	7:00 - 7:30	0.50		48		P		HSM, JARING ON TBG.
	7:30 - 16:30	9.00		31	B	P		SICP 0, RIH 45' SPEARED PATCH, SET JARS OFF 1 TIME GOT PATCH FREE, POOH SLOW L/D BHA & PATCH.IT WAS COLAPEDS ON BOTH ENDS. RIH W/ 37/8 MILL & 122 JTS EOT @ 3882' CIRC WELL W/ 100 BBLS 160 DEG WTR, POOH W/ 122 JTS L/D MILL.PU NEW 41/2 REINFORCED PATCH RIH W/ 122 JTS FILLING & TESTING IN HOLE, PUTS PATCH BELOW HOLES, SWI SDFN
5/29/2013	7:00 - 7:30	0.50		48		P		HSM, SETTING PATCH STAYING AWAY FROM PRESSURE LINE.
	7:30 - 10:30	3.00		31	C	P		SICP 0, PULL UP TO DEPTH SET 41/2 SALTEL 3.50 ID PATCH @ 3838' TO 3858' TO COVER HOLES @ 3848', WIRE LINE CORALATED DEPTHS. TBG DEPTHS 3847 TO 3867', WORK TROUGH PATCH NO RESTRICIONS, REPRESSURED TOP OF PATCH.
	10:30 - 13:00	2.50		31	I	P		L/D 122 JTS PULLING SLOW NOT TO COLAPES PATCH, L/D SETTING TOOL.
	13:00 - 19:30	6.50		34		P		RU CUTTERS RIH W/ 3.50 DRIFT TROUGH PATCH NO RESTRICTION POOH, ND BOPS NU TBG HEAD & FV, RU CAMERON TEST CSG & PATCH TO 6976 PSI FOR 15 MIN LOST 462 PSI, RETEST TO 6987 FOR 15 MIN, LOST 457 PSI, BLEAD OFF PSI, RU WL, RIH W/ 3.50 GAUGE RING GOT THROUGH PULL OUT RUN BAK TAG OUT IN BTM OF PATCH PULLED OUT RIH TAG @ TOP OF PATCH, POOH GAUGE RING WAS FULL OF OIL. RIH W/ 31/8 CCL WENT TROUGH PATCH 3 TIMES NO RESTRICTIONS POOH L/D TOOLS SWI SDFN.
5/30/2013	7:00 - 7:30	0.50		48		P		HSM, PICKING UP TBG OFF FLOAT.
	7:30 - 9:00	1.50		31	I	P		SICP 0, ND FV NU BOPS, PU 122 JTS 23/8 L-80 & 2' PUP EOT @ 3884'.
	9:00 - 9:30	0.50		31	H	P		CIRC WELL W/ 100 BBLS HOT WTR TO REMOVE OIL.
	9:30 - 11:00	1.50		31	I	P		POOH W/ 122 JTS & 2' PUP SLOW.
	11:00 - 12:30	1.50		34		P		RU CUTTERS, RIH W/ 3.50 GAUGE RING TROUGH PATCH WENT OK, POOH RD WL.
	12:30 - 17:00	4.50		31	I	P		MADE UP PATCH SETTING TOOL, RIH W/ 122 JTS FILLING TBG WHILE TRIPPING IN HOLE. DONE 2 PRESSURE STEPS ON TOP & 2 ON BTM OF PATCH, WORK UP & DWN TROUGH PATCH NO RESTRICTIONS.POOH L/D 33 JTS SLOW SWI SDFN.
5/31/2013	7:00 - 7:30	0.50		48		P		HSM, LAYI NG DWN TBG ON FLOAT.
	7:30 - 9:30	2.00		31	I	P		0 PSI, L/D REM 89 JTS 23/8 & SETTING TOOL,ND BOPS NU FV.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: GWS 1/1
Event: COMPLETION	Start date: 12/31/2012		End date: 5/31/2013
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	9:30 - 14:00	4.50		52	B	P		RU CAMERON, TEST CSG TO 6984 FOR 15 MIN LOST 264 PSI, TEST TO 7101 PSI, FOR 15 MIN LOST 528 PSI, TEST TO 6966 FOR 15 MIN LOST 478 PSI, BLEAD OFF TEST TRUCK TO 7000 PSI FOR 15 MIN. LOST 90 PSI IN 15 MIN SWI. CALLED OFFICE DECIDED TO CALL IT GOOD. LOAD 23/8 J-55 PIPE ON FLOAT.RDMOL

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6A1CS ORANGE		Spud date: 9/17/2012	
Project: UTAH-UINTAH	Site: BONANZA 1023-5D PAD		Rig name no.: MILES 2/2
Event: ABANDONMENT	Start date: 2/16/2015		End date: 3/2/2015
Active datum: RKB @5,254.00usft (above Mean Sea Level)	UWI: NW/NW/0/10/S/23/E/5/0/0/26/PM/N/534/W/0/481/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
3/2/2015	7:00 - 7:15	0.25	ABANDP	48		P		HSM, JSA
	7:15 - 8:00	0.75	ABANDP	30	A	P		MIRU, ND WH, NU BOP'S, RU FLOOR & TBG EQUIP
	8:00 - 10:00	2.00	ABANDP	31	I	P		P/U TBG, TIH & TALLY TO 4430'
	10:00 - 16:00	6.00	ABANDP	51	D	P		MIRU PRO PETRO, FILL & PRESSURE TEST CSG TO 500#, PUMP 2.6 BBLS FRESH WTR AHEAD, MIX & PUMP 20 SX CMT @ 15.8 PPG, DISPLACE W/ 15 BBLS, TOC @ 4144', T-MAC, PUH TO 3560', PUMP 2.6 BBLS FRESH WTR AHEAD, MIX & PUMP 190 SX CMT @ 15.8 PPG, DISPLACE W/ 2 BBLS T-MAC (AS PER BLM REQUEST), TOC @ 926', PUH TO 300', MIX & PUMP 50 SX CMT @ 15.8 PPG INTIL RETURNS TO SURFACE, ND BOP'S, NU WH, RDMO, CUT WH OFF & TOP OFF LAST 3' OF CSG W/ CMT\n\nLAT 39.983791 LONG 109.358379

RECEIVED: May. 12, 2015